



Canaveral Harbor, FL Sand Bypass Project

Luis Valderrama, P.E.

Kevin Bodge, Ph.D., P.E.

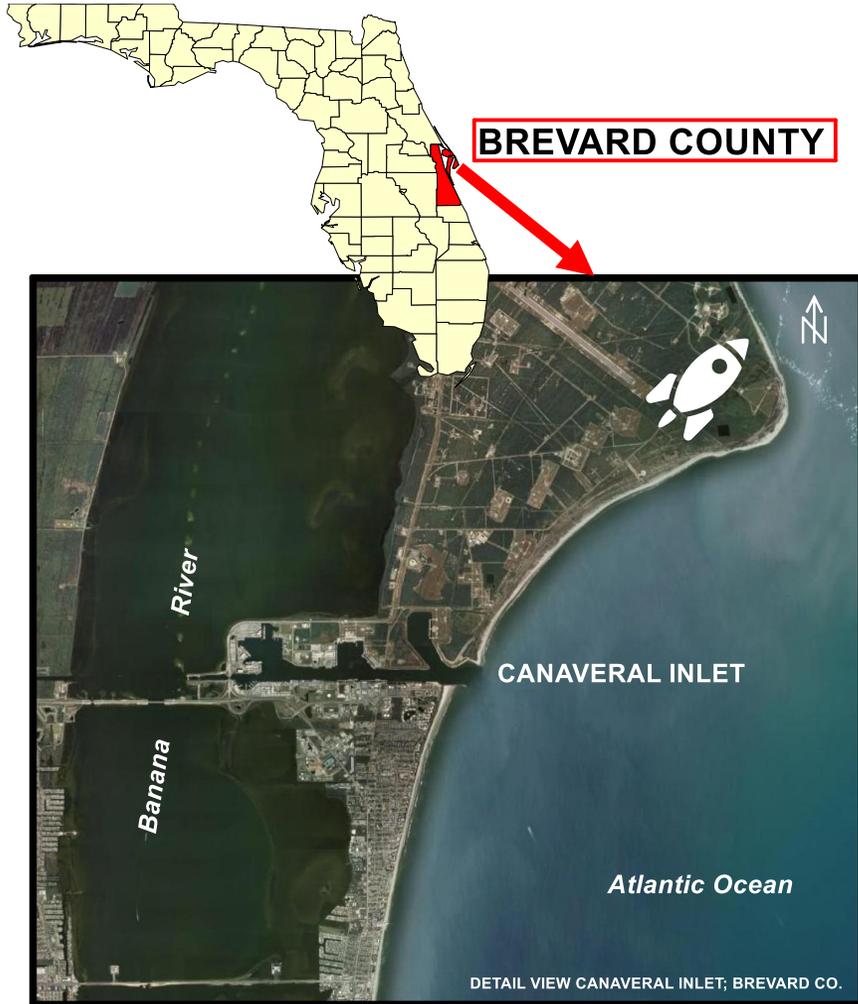
Foth Infrastructure & Environment, LLC

Patrick Snyder, P.E.

U.S. Army Corps of Engineers, Jacksonville District

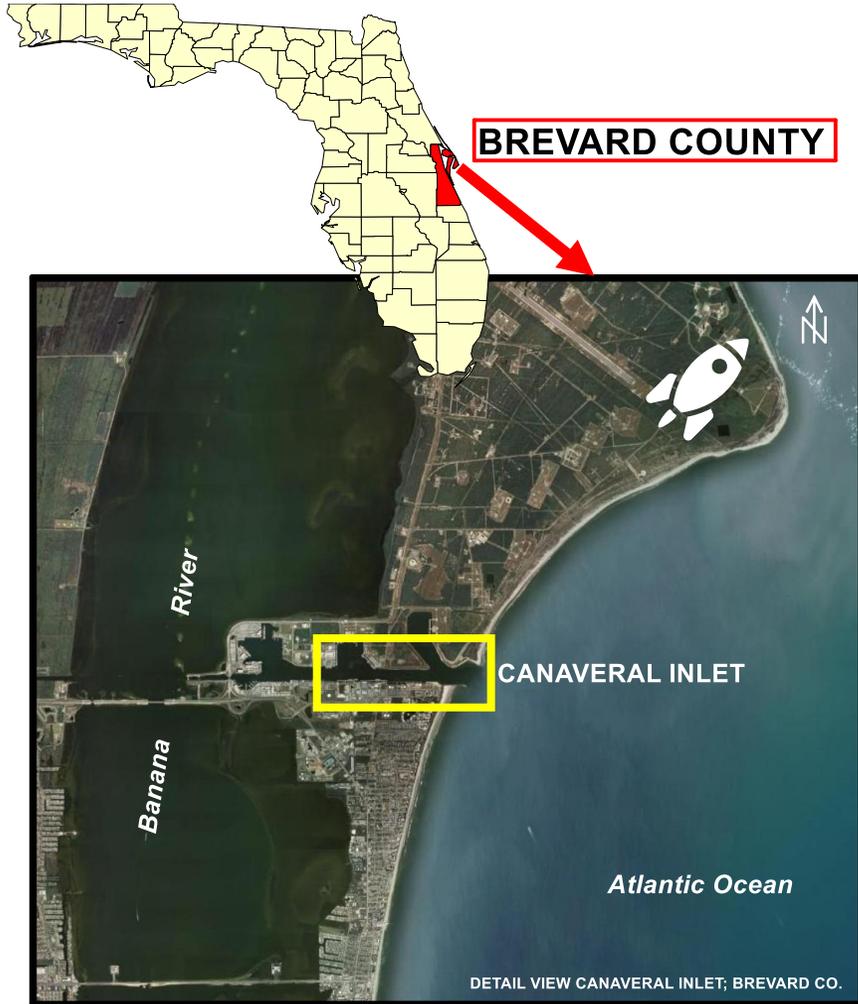
February 2026

History

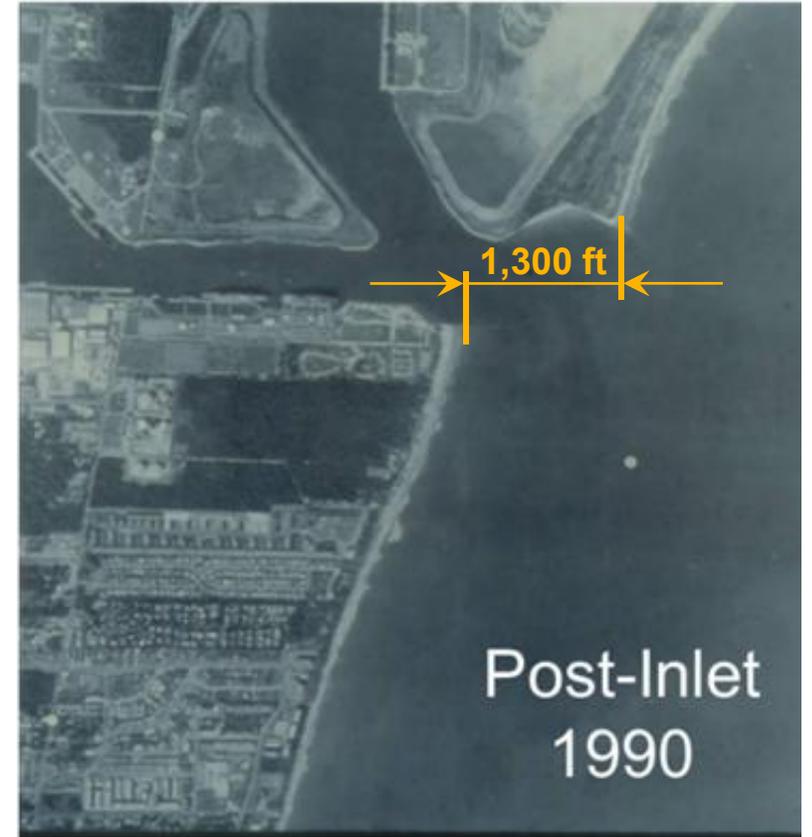


- ◆ Cargo port
- ◆ Cruise port
- ◆ Supports the nation's space launch operations
- ◆ Submarine basin for U.S. Navy

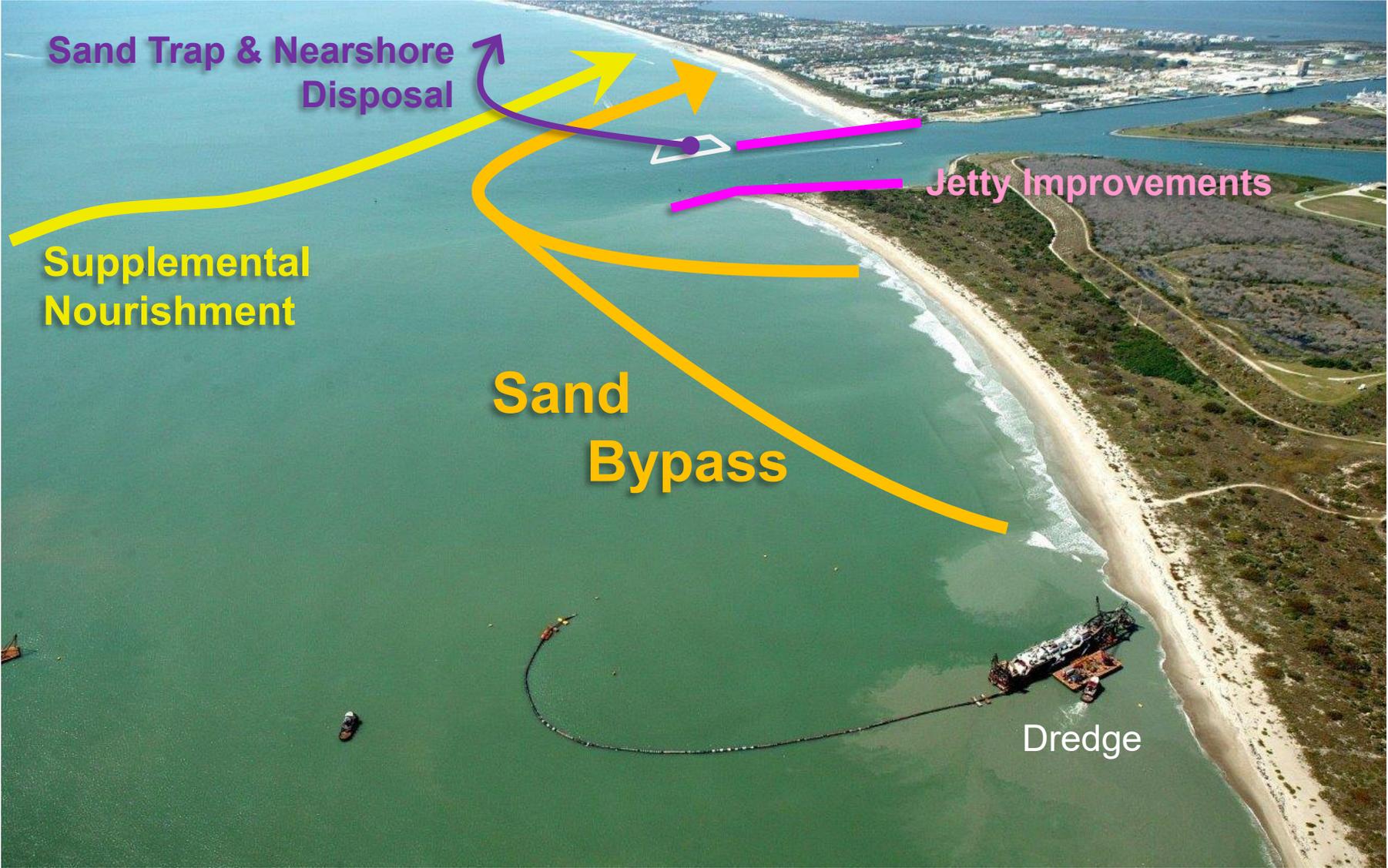
History



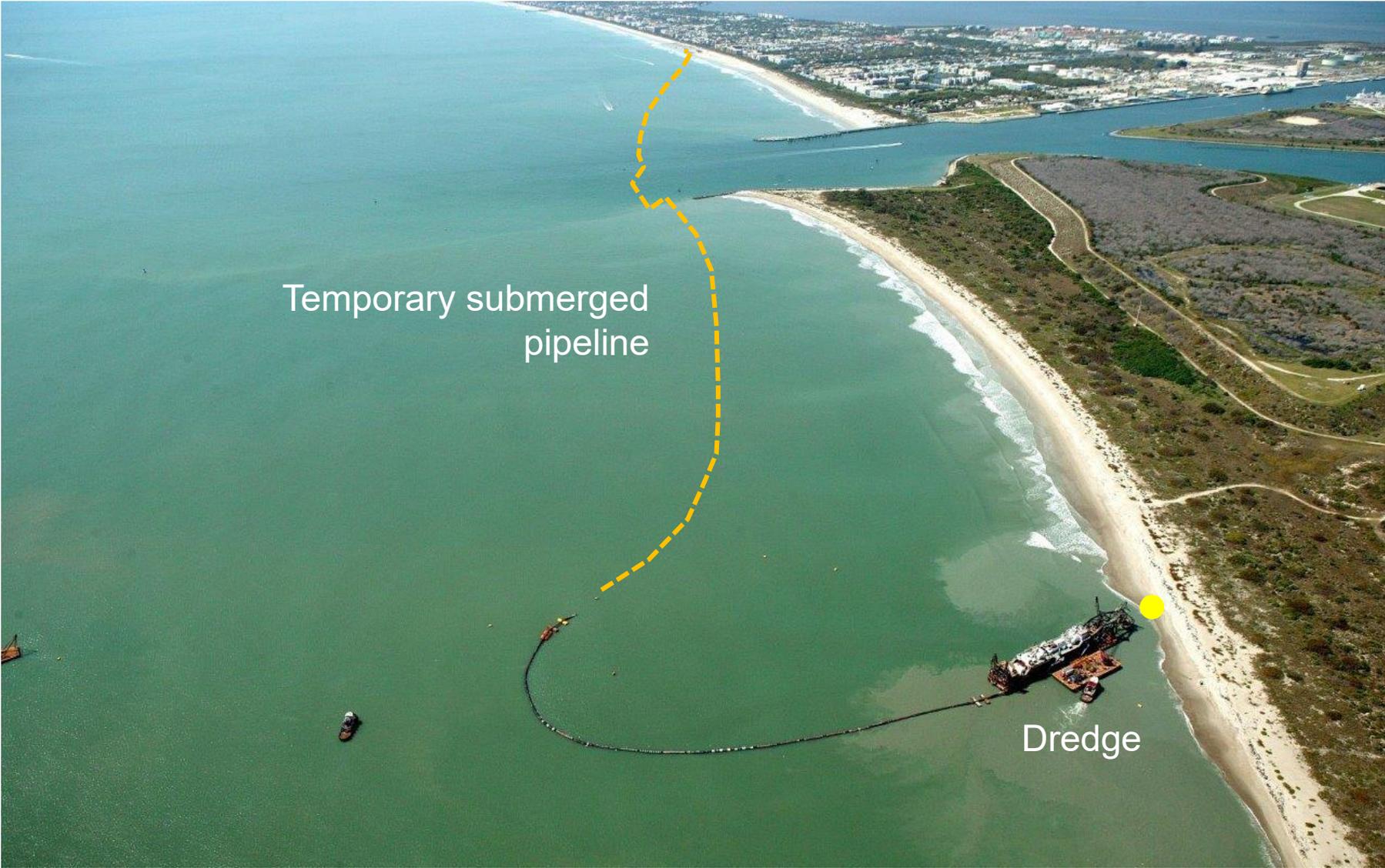
Littoral impact (1950-1992): 12 Mcy

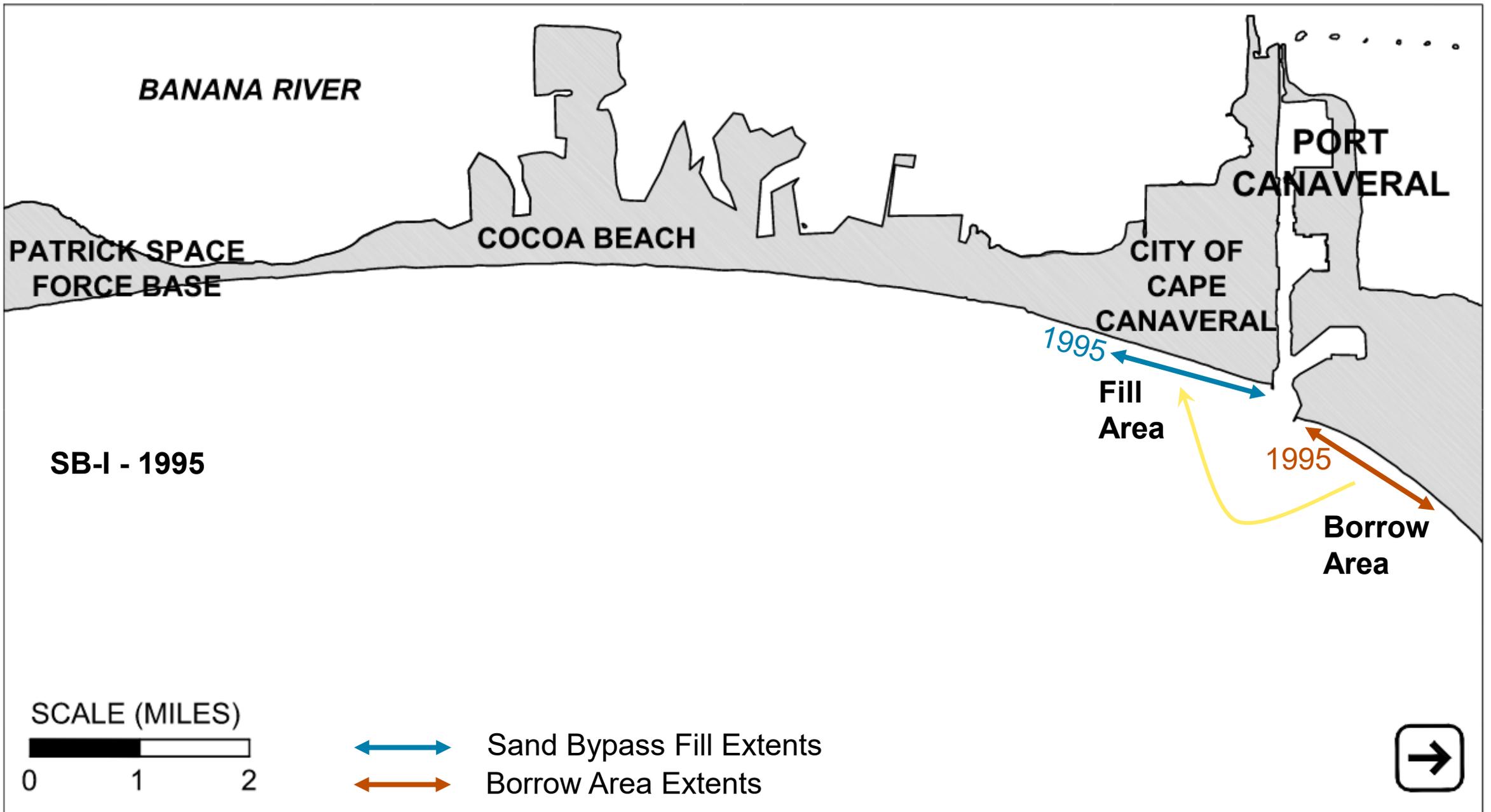


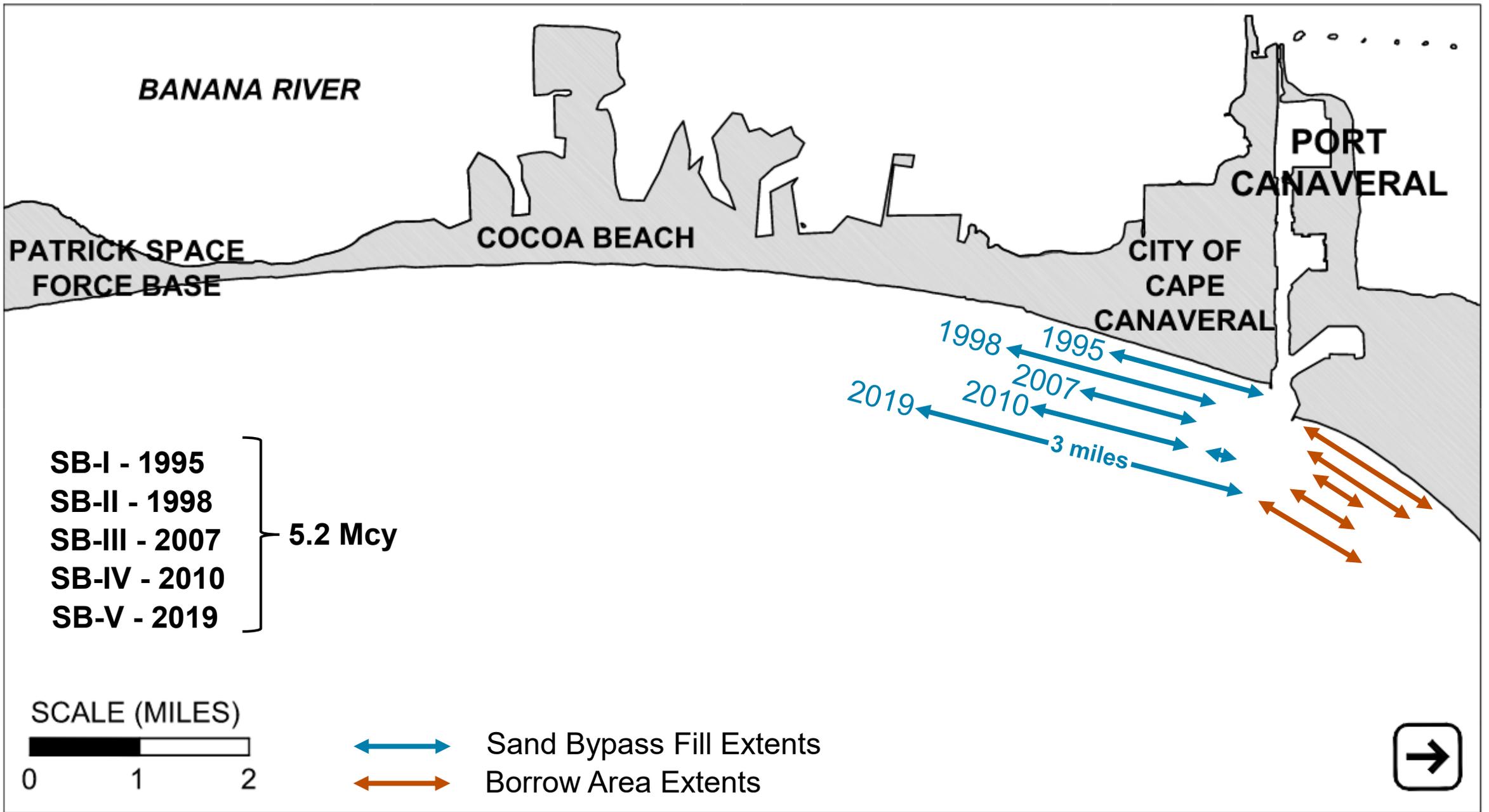
Port Canaveral Inlet Sand Management Plan

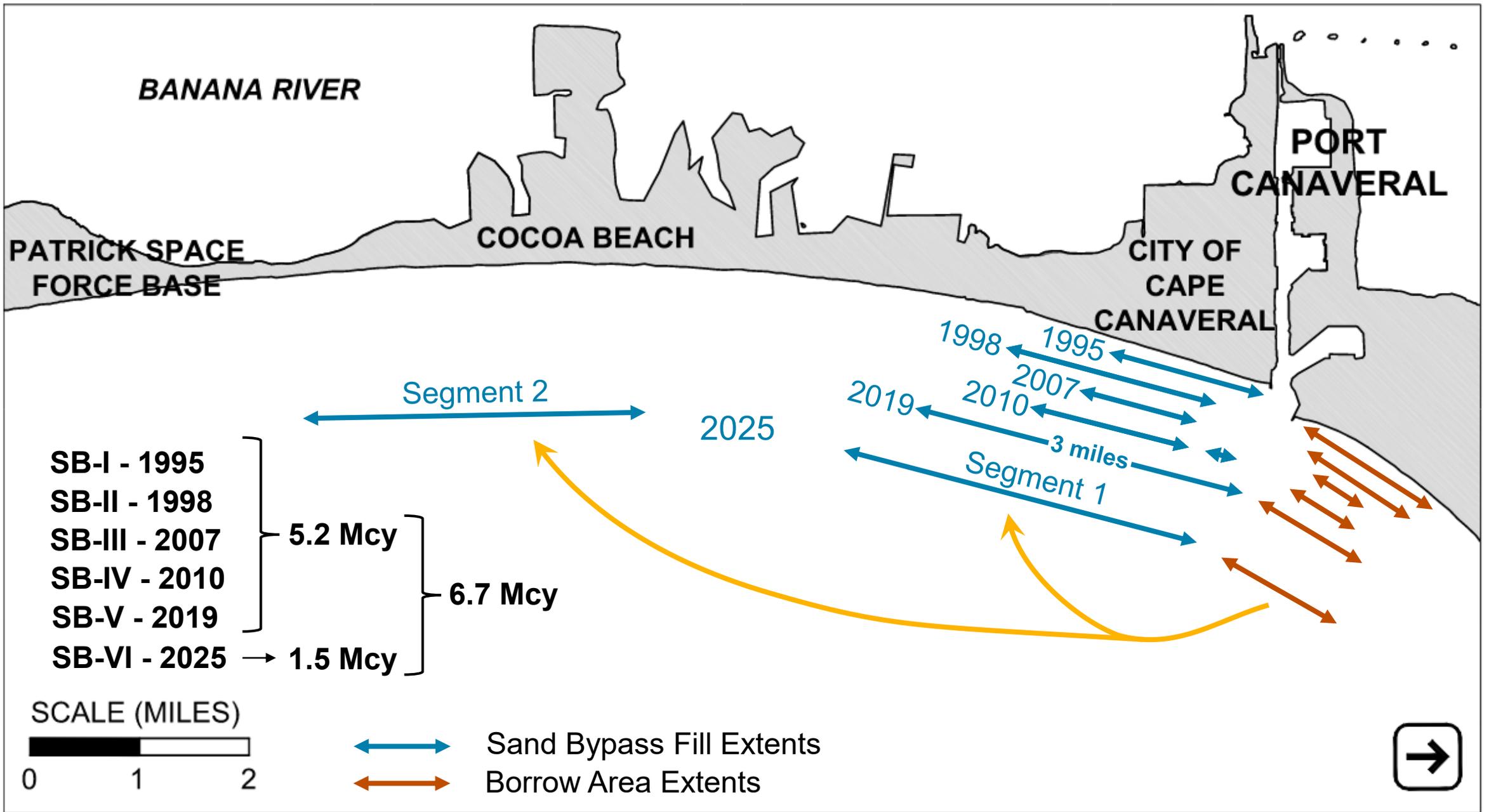


Port Canaveral Inlet Sand Management Plan

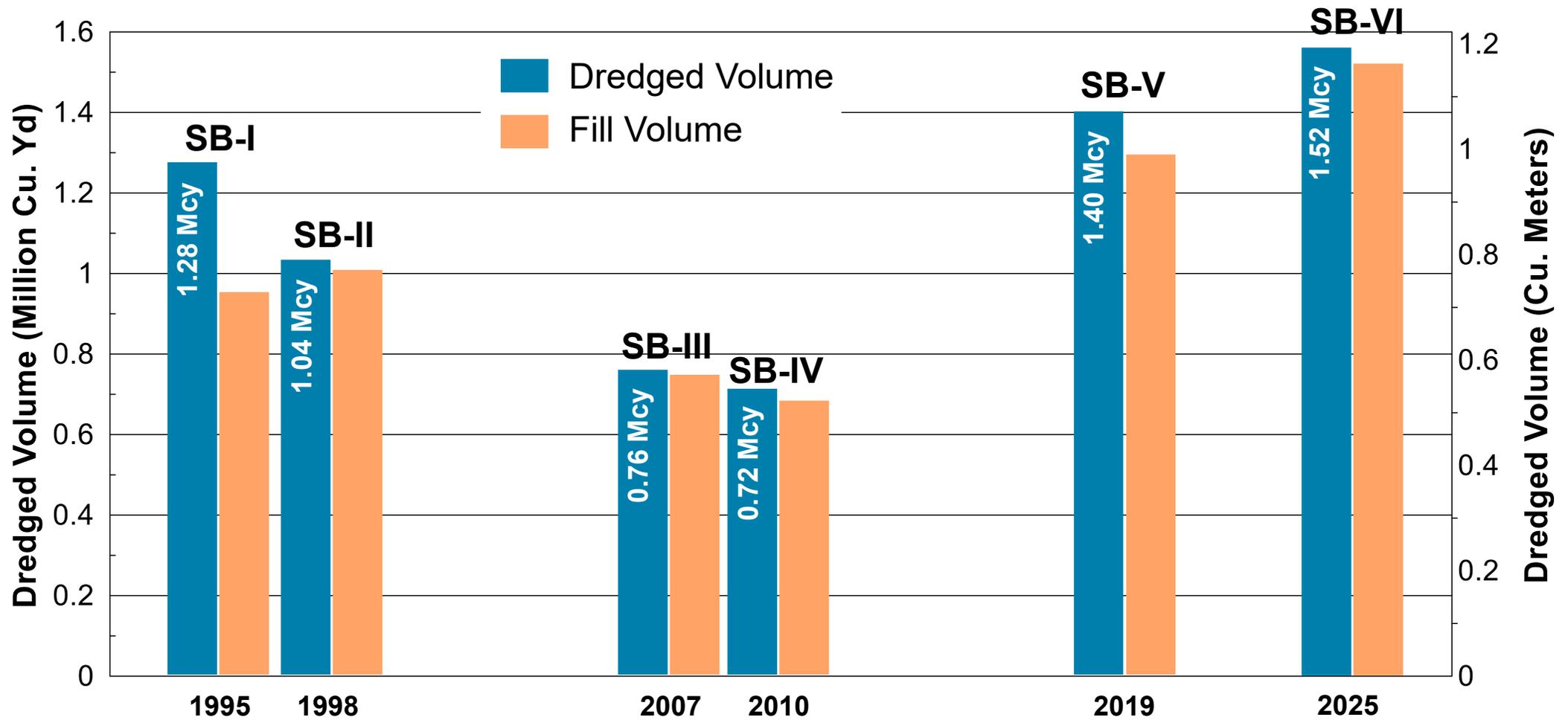




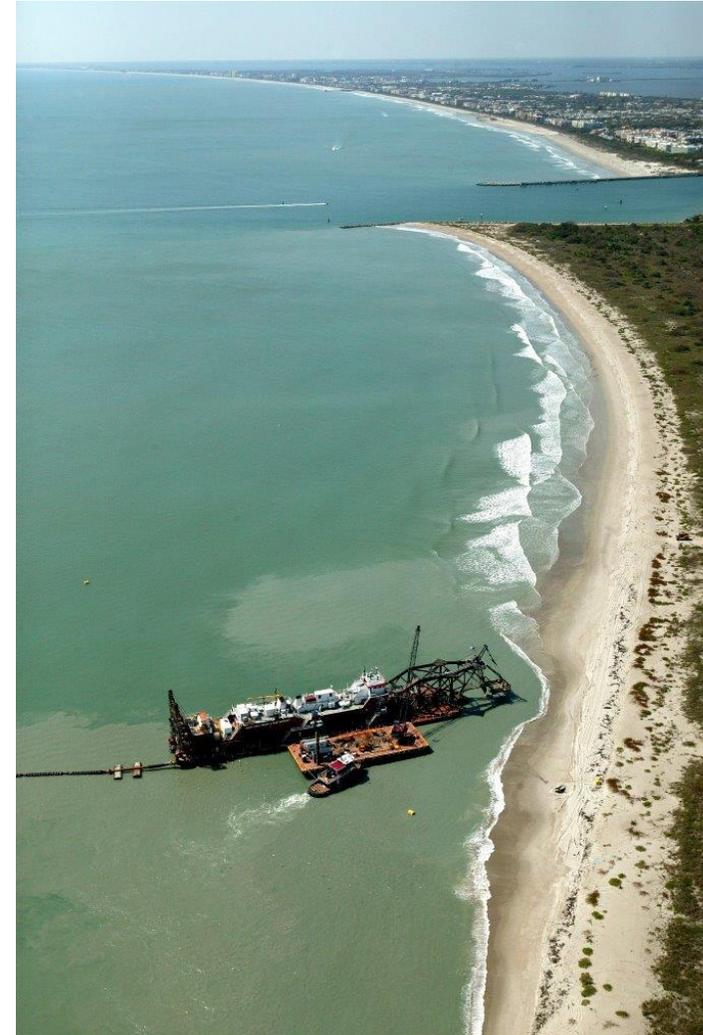
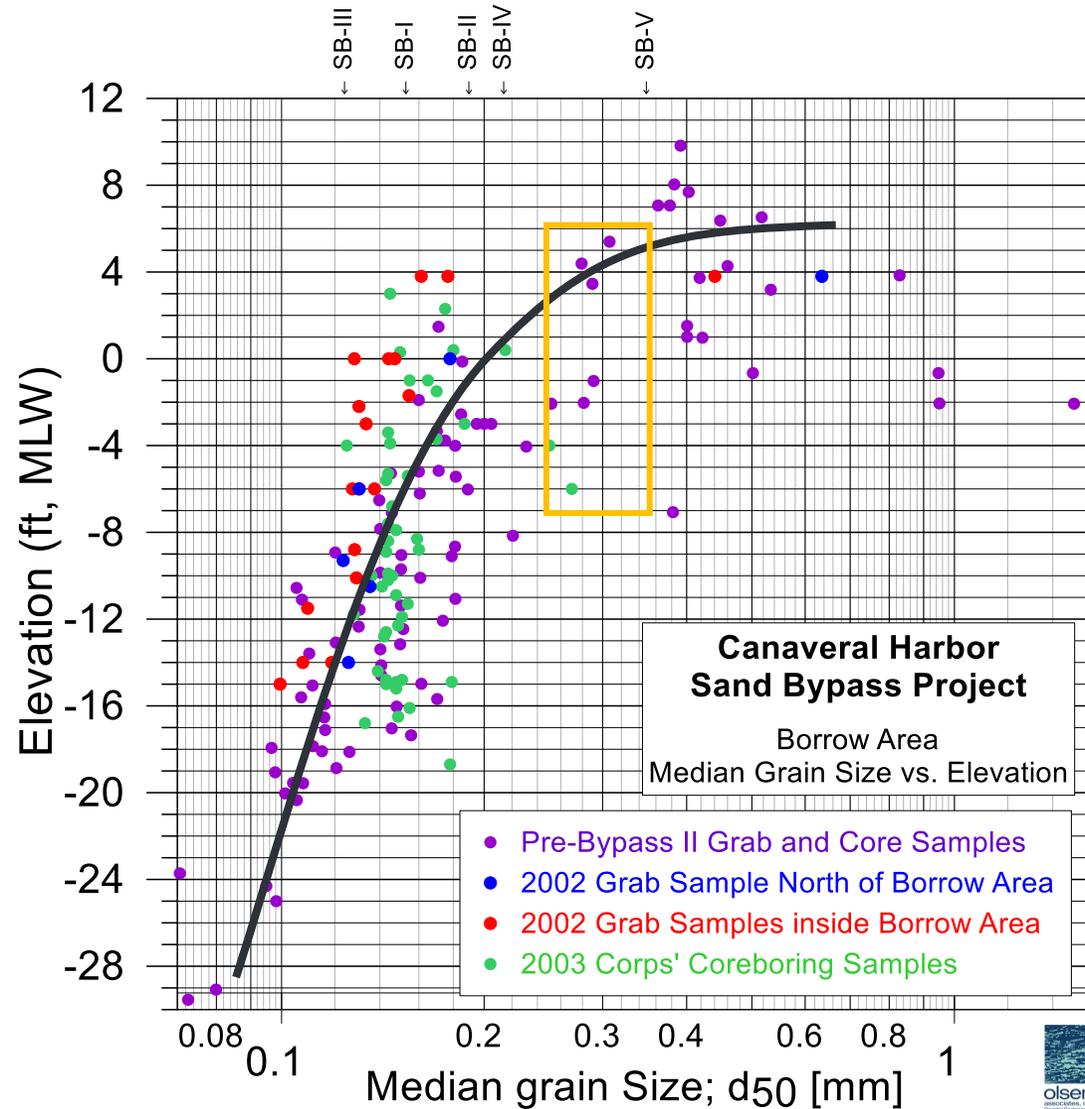




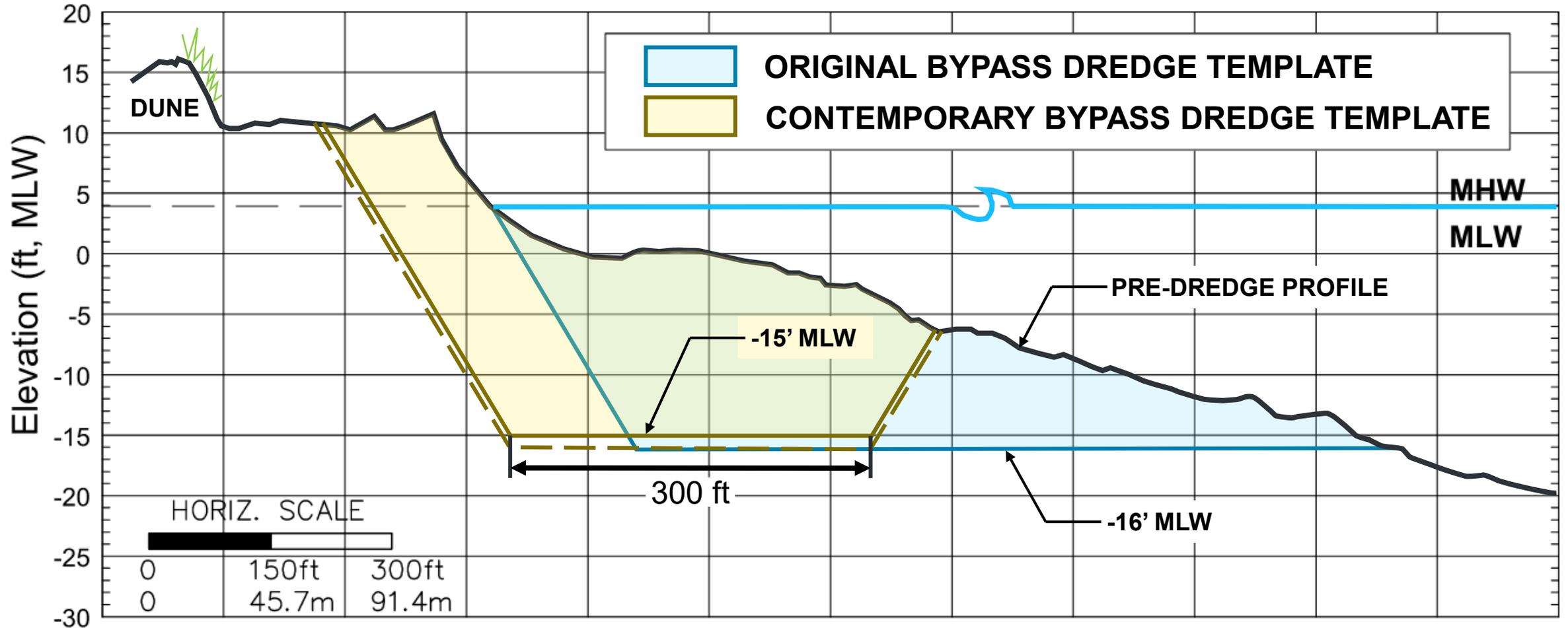
Dredge & Fill Volumes



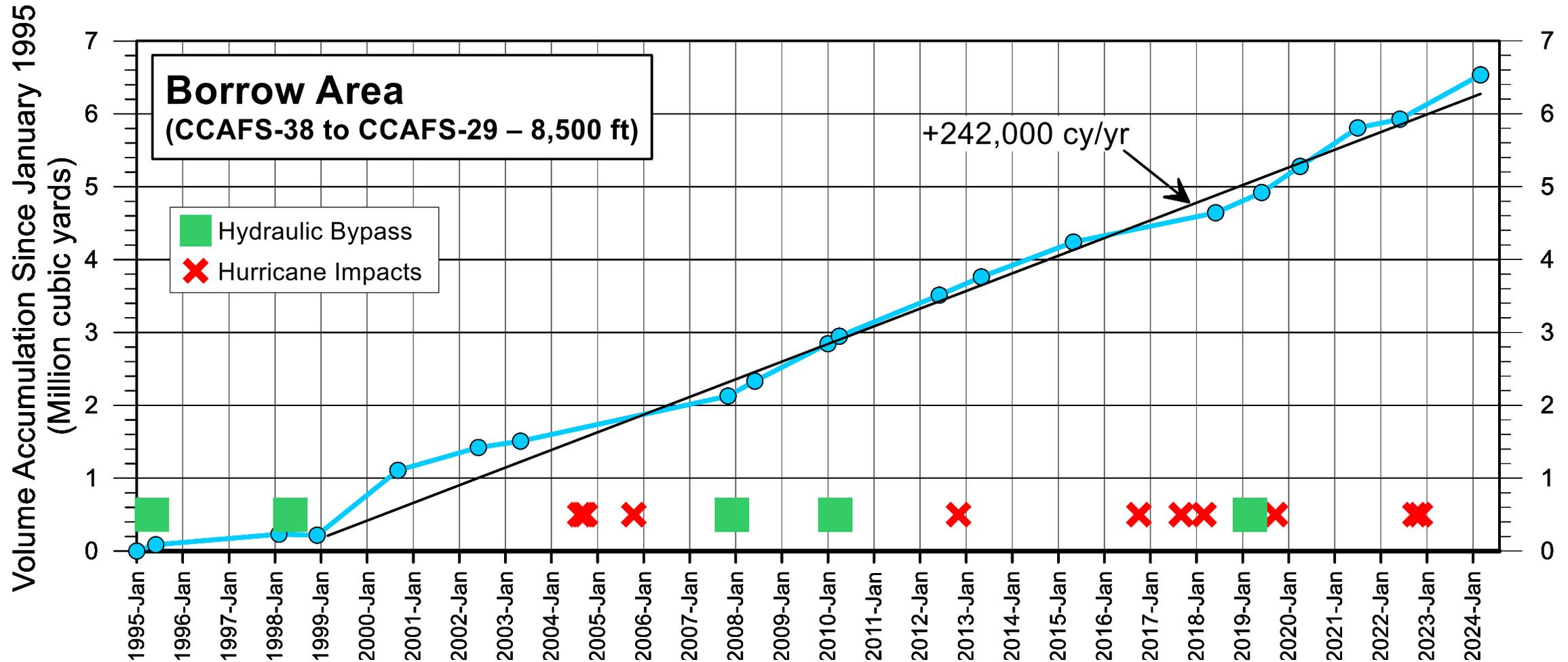
Borrow Area Sediment Grain Size



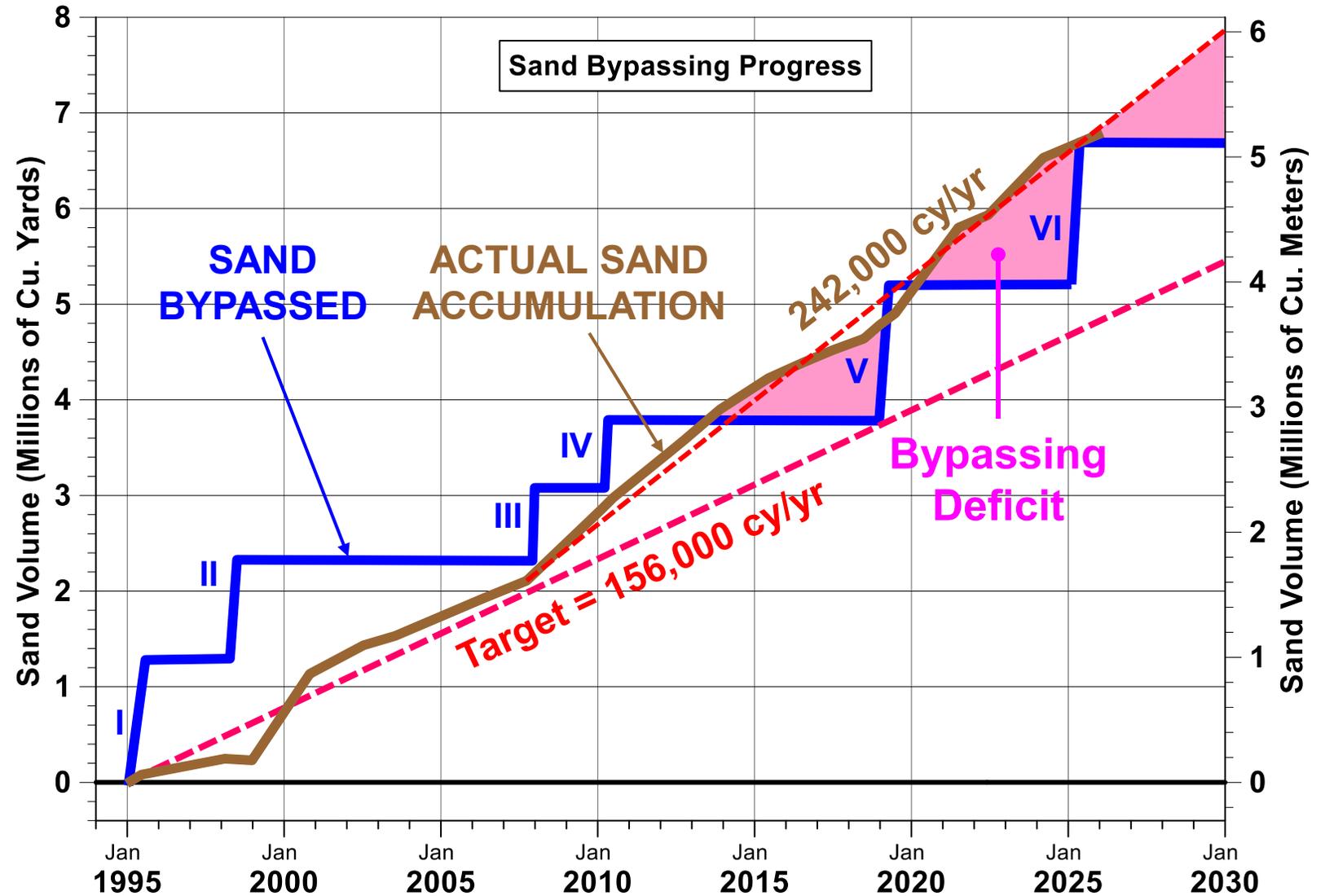
Dredge Template (Typical)



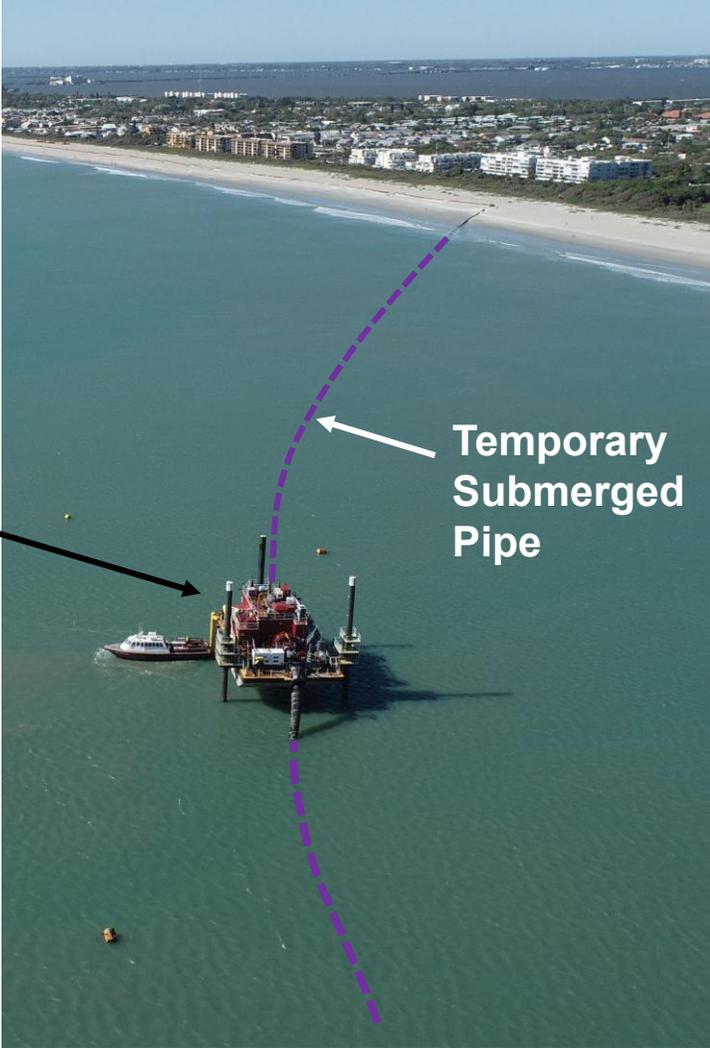
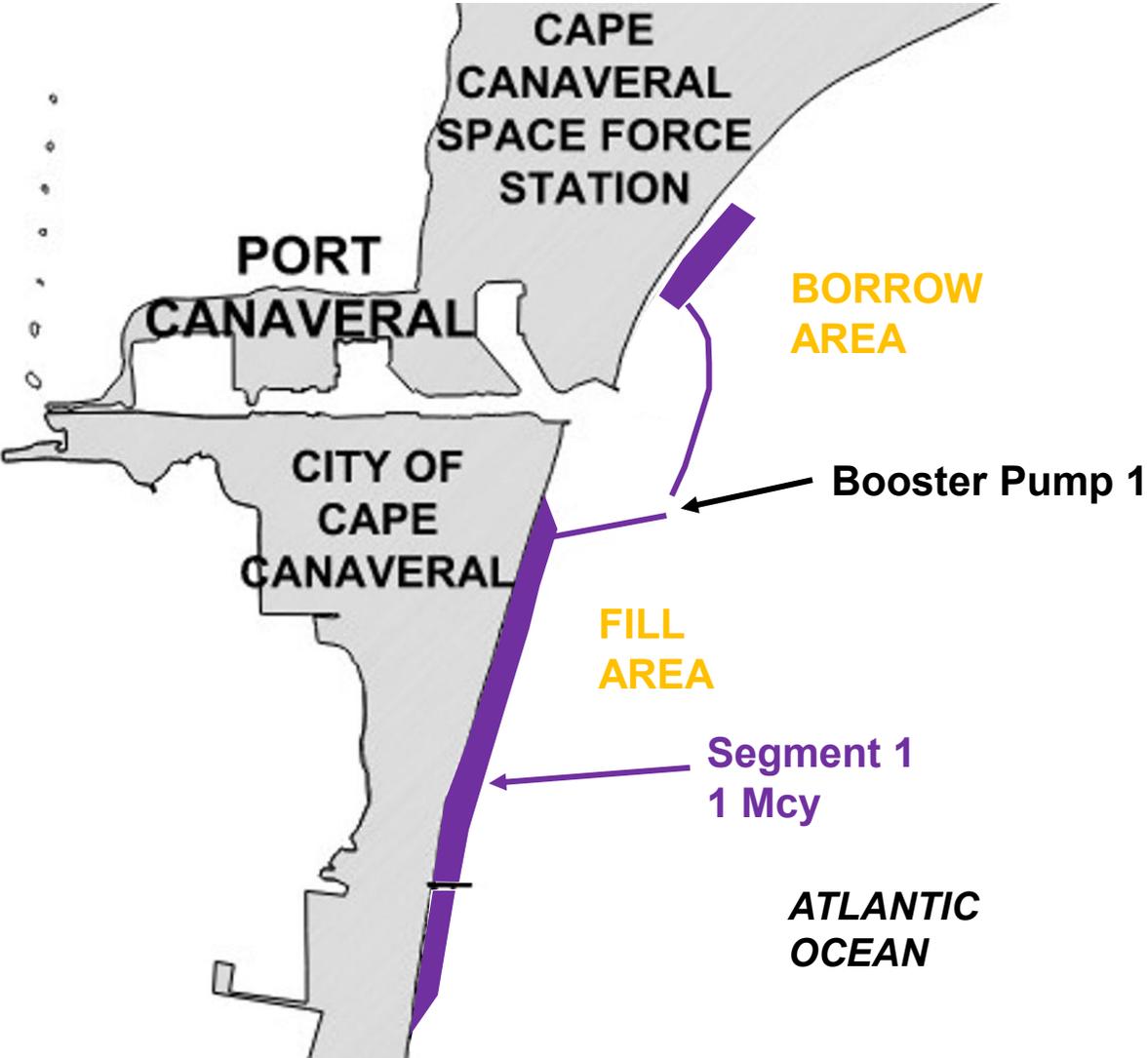
Borrow Area Sand Volume Accumulation



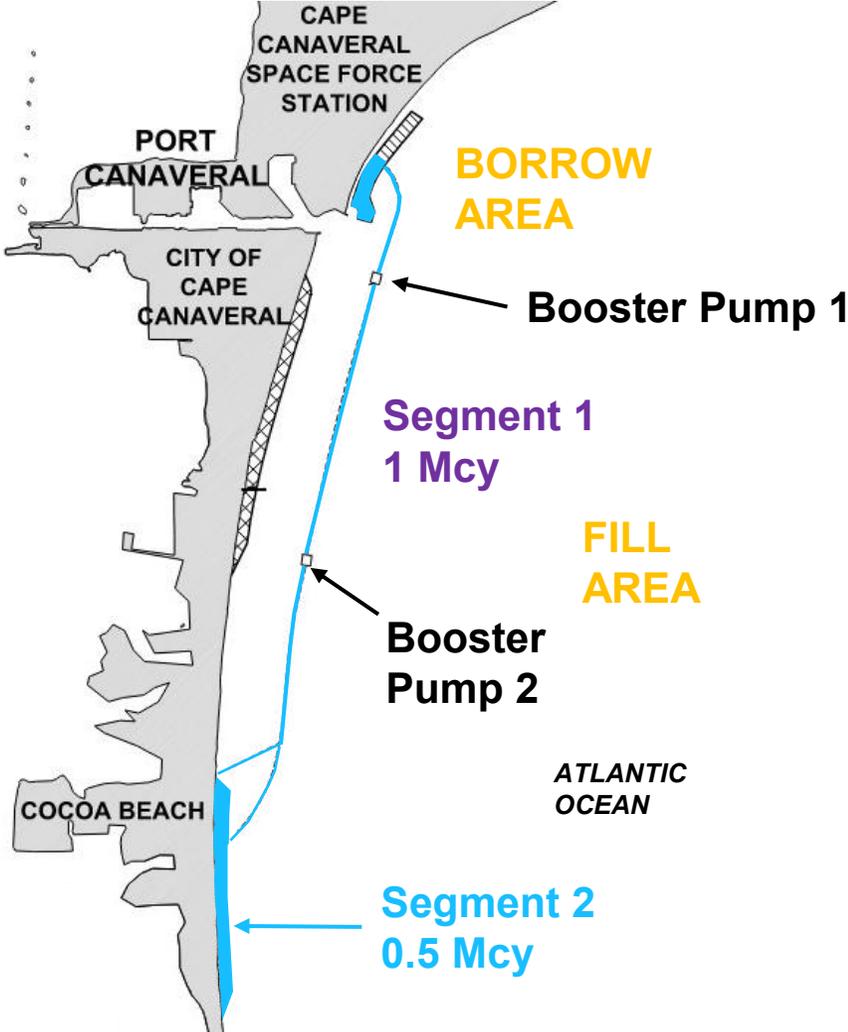
Cumulative Dredge Volume



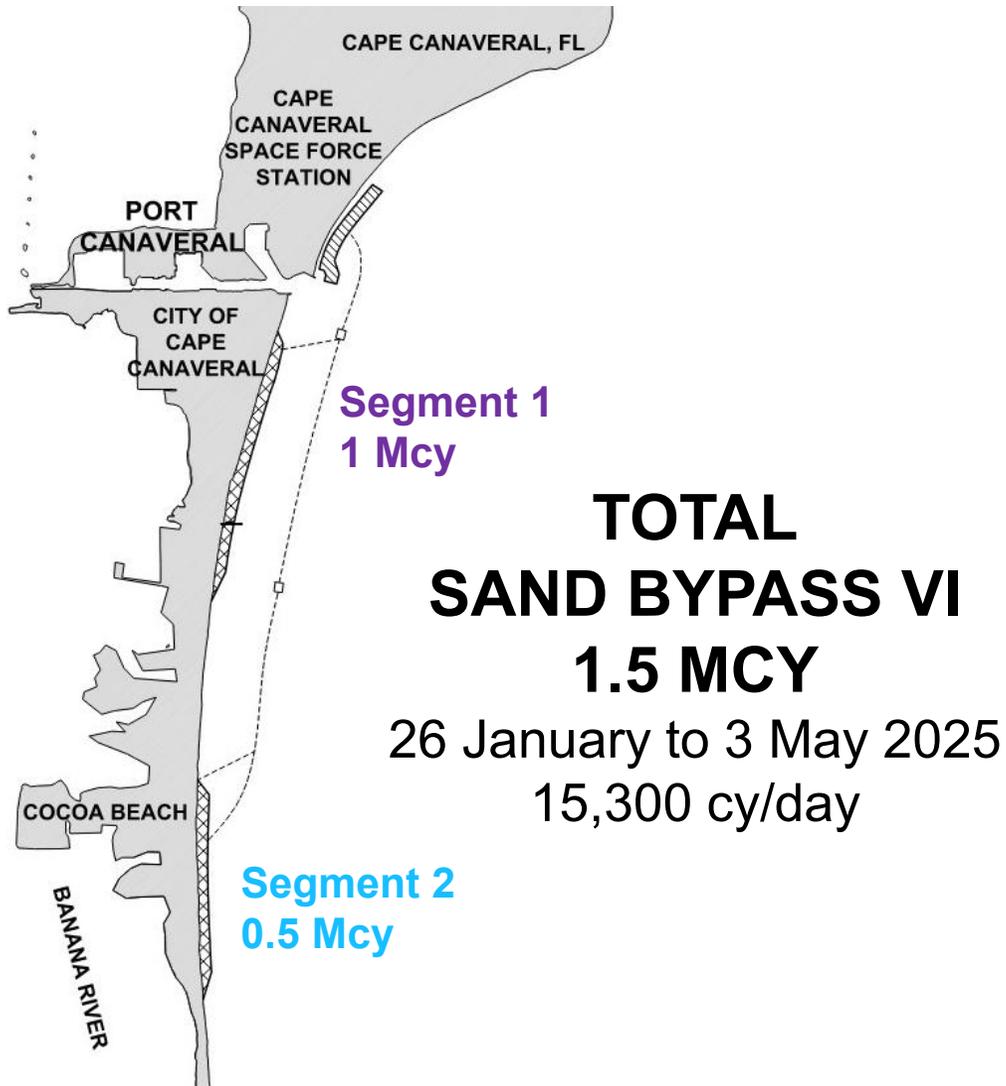
Canaveral Bypass VI Construction



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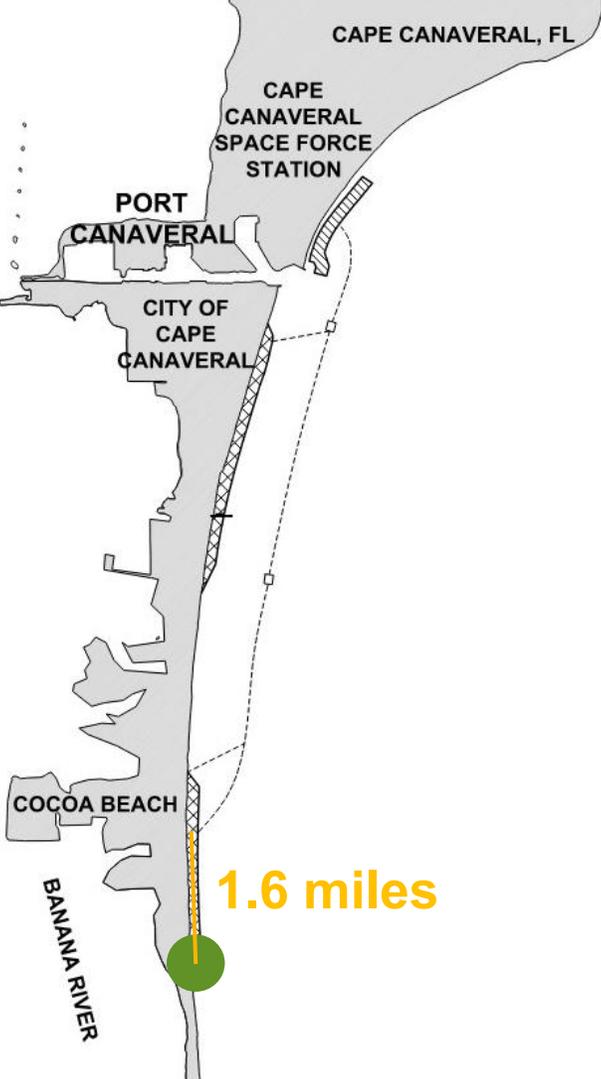


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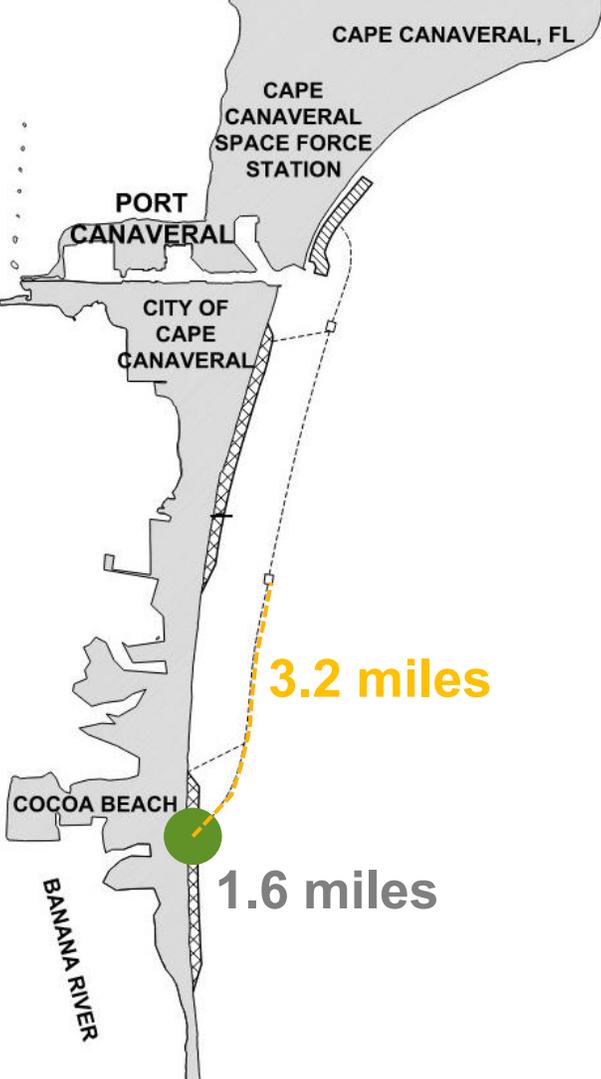


- ◆ Contractor: **Great Lakes Dredge & Dock Co.**
- ◆ Managed by **USACE, Jacksonville District**
- ◆ Local sponsor: **Canaveral Port Authority**
- ◆ Local co-sponsor: **Brevard County**
- ◆ Engineering consultant: **Foth | Olsen**

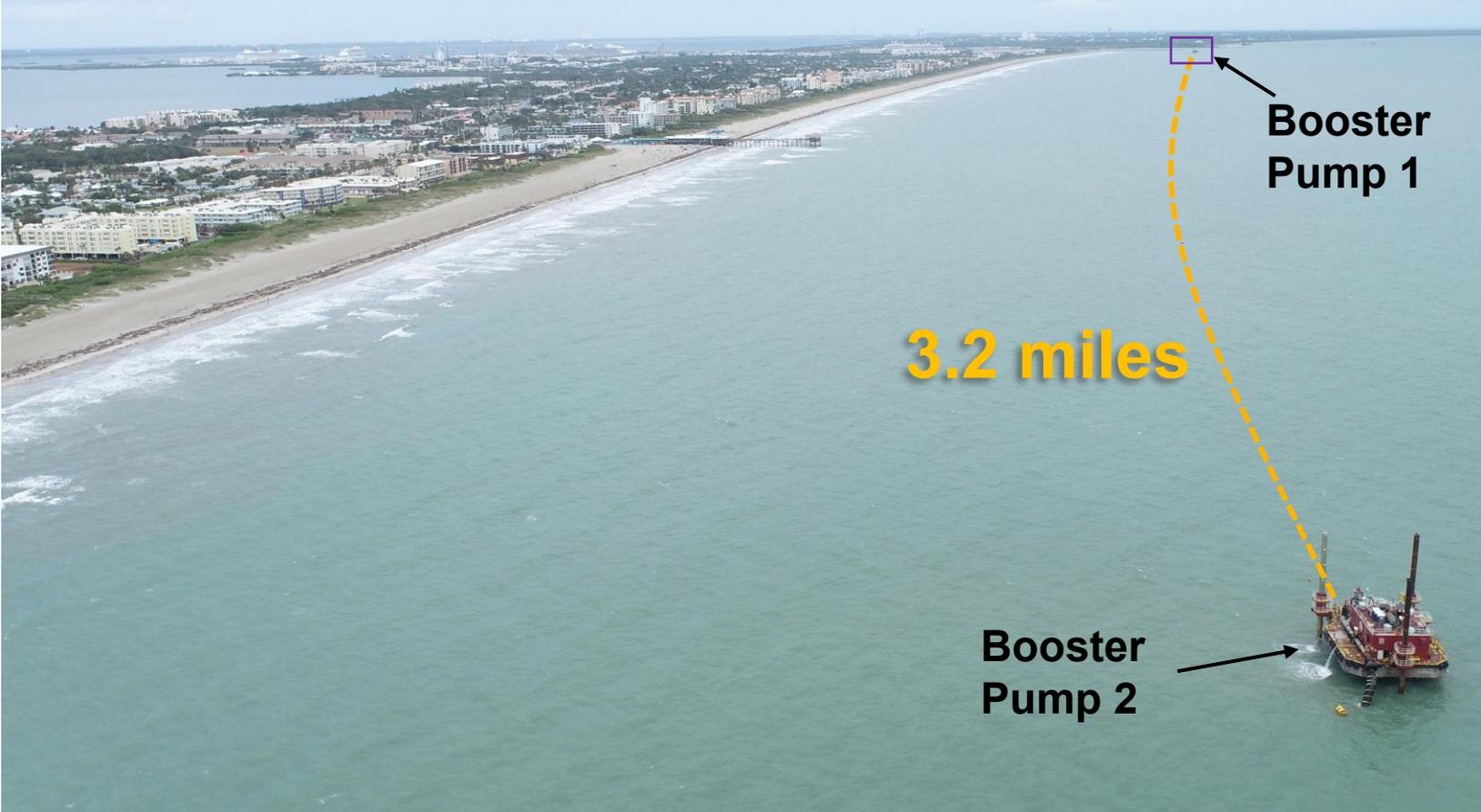
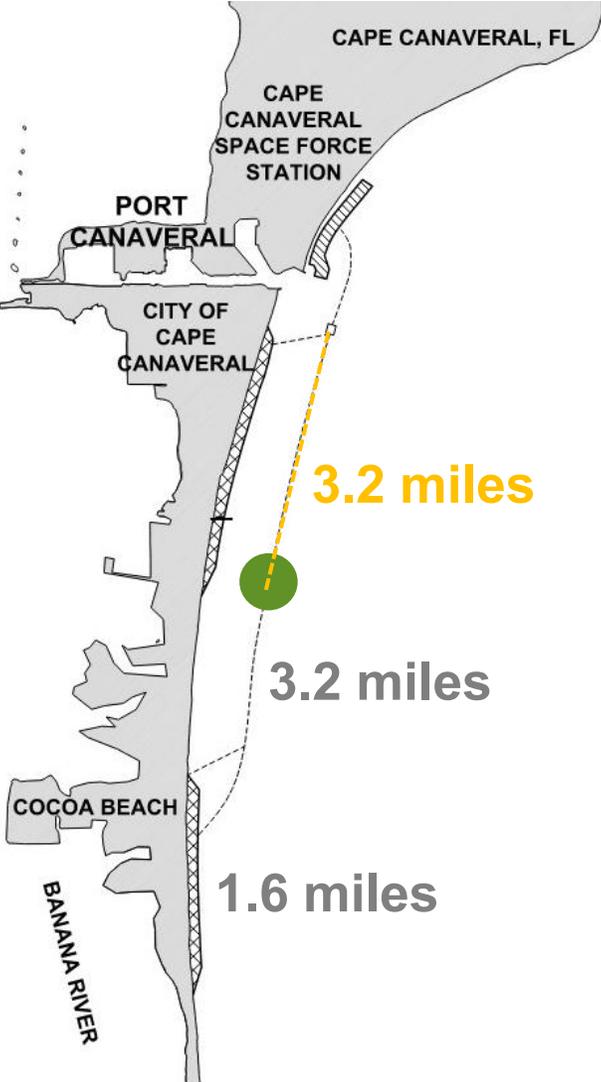
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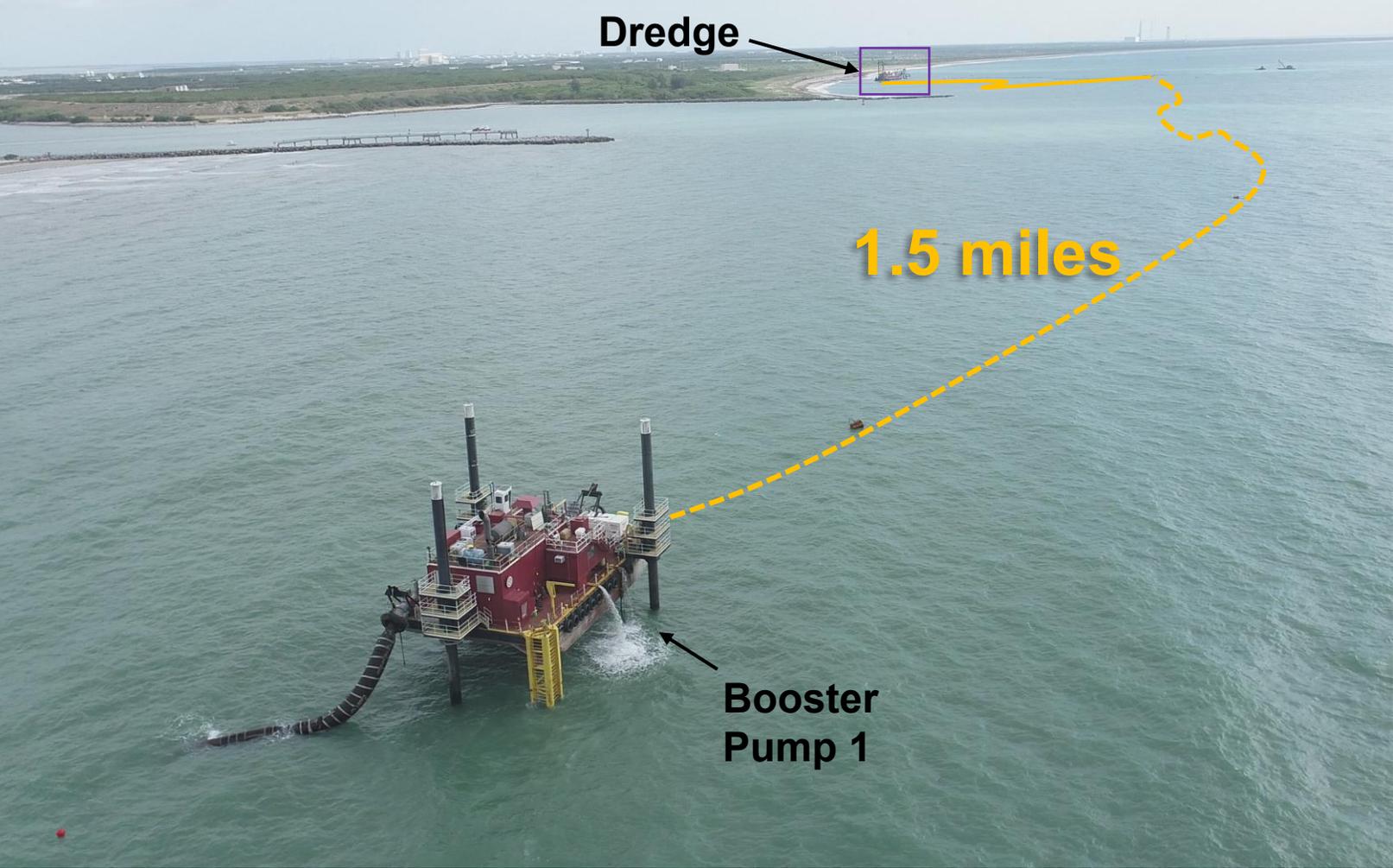
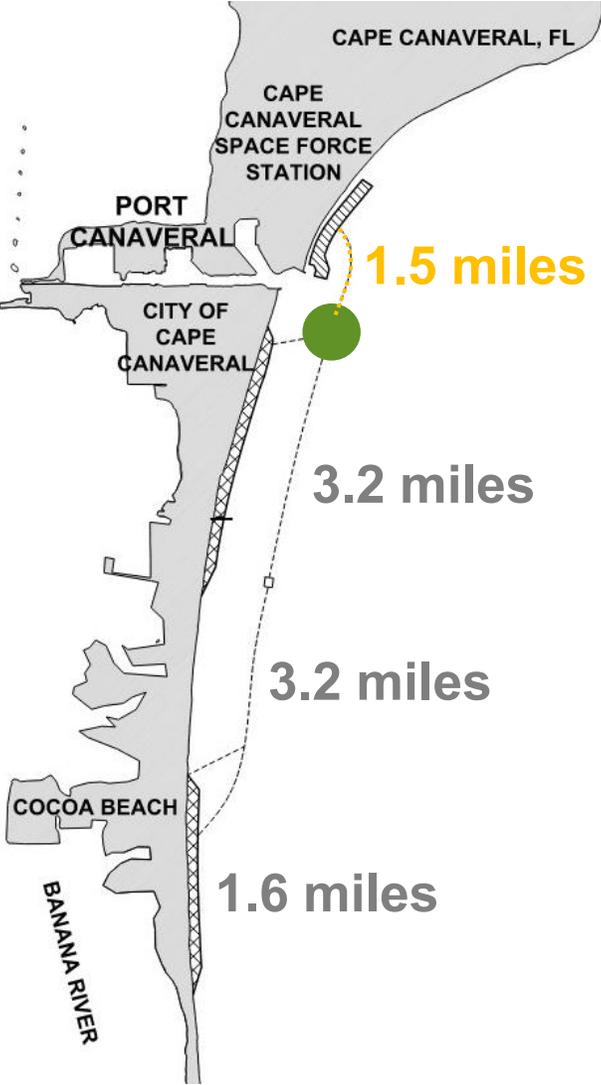
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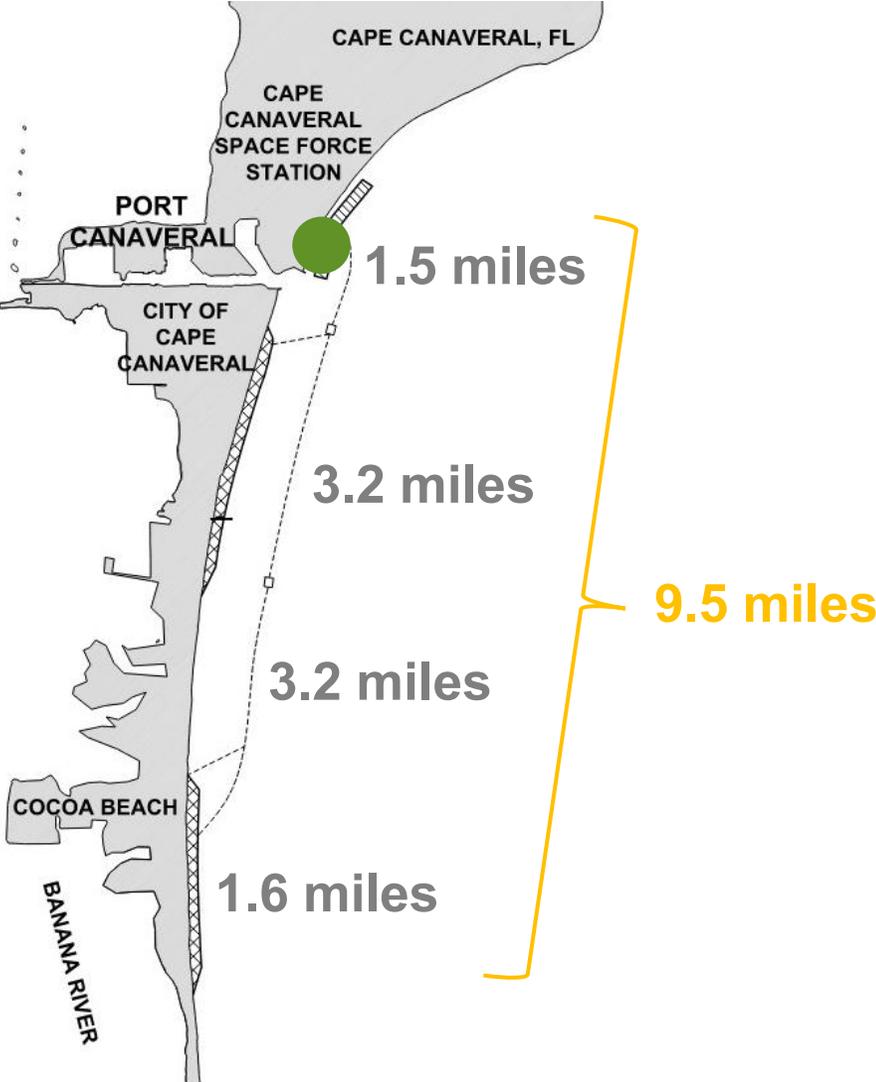
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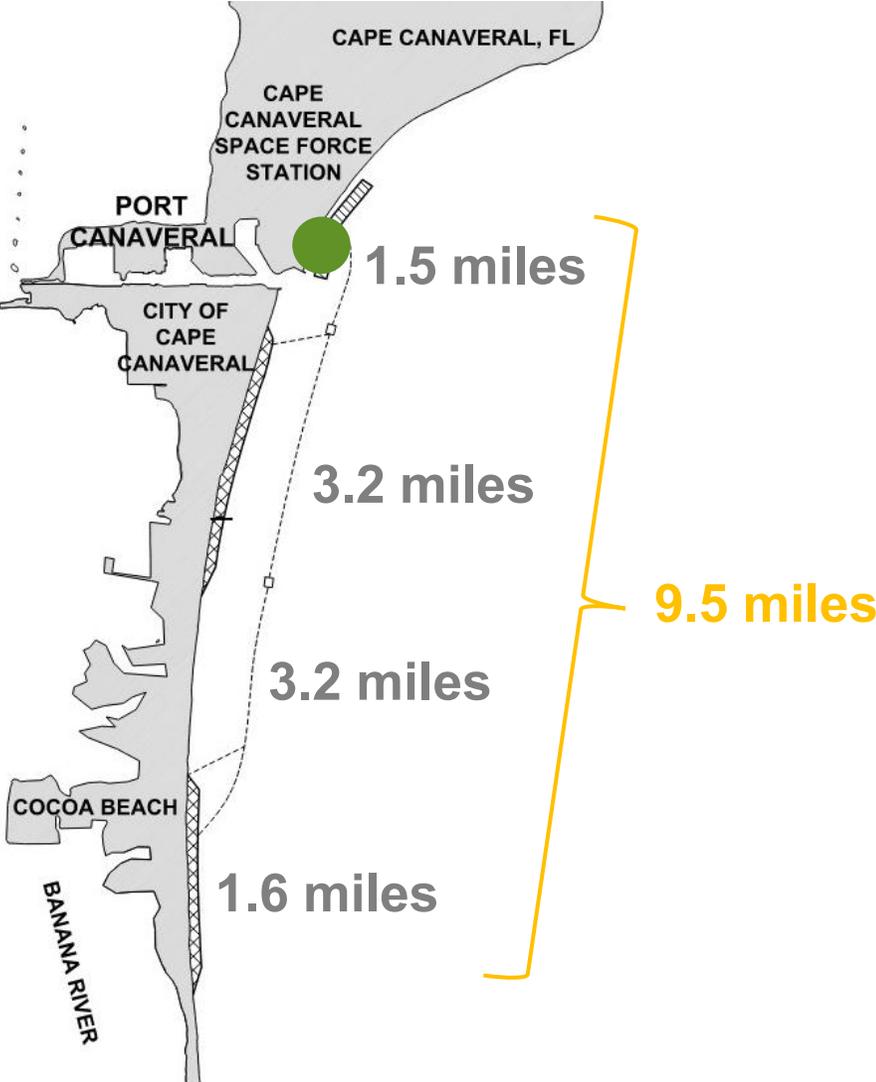
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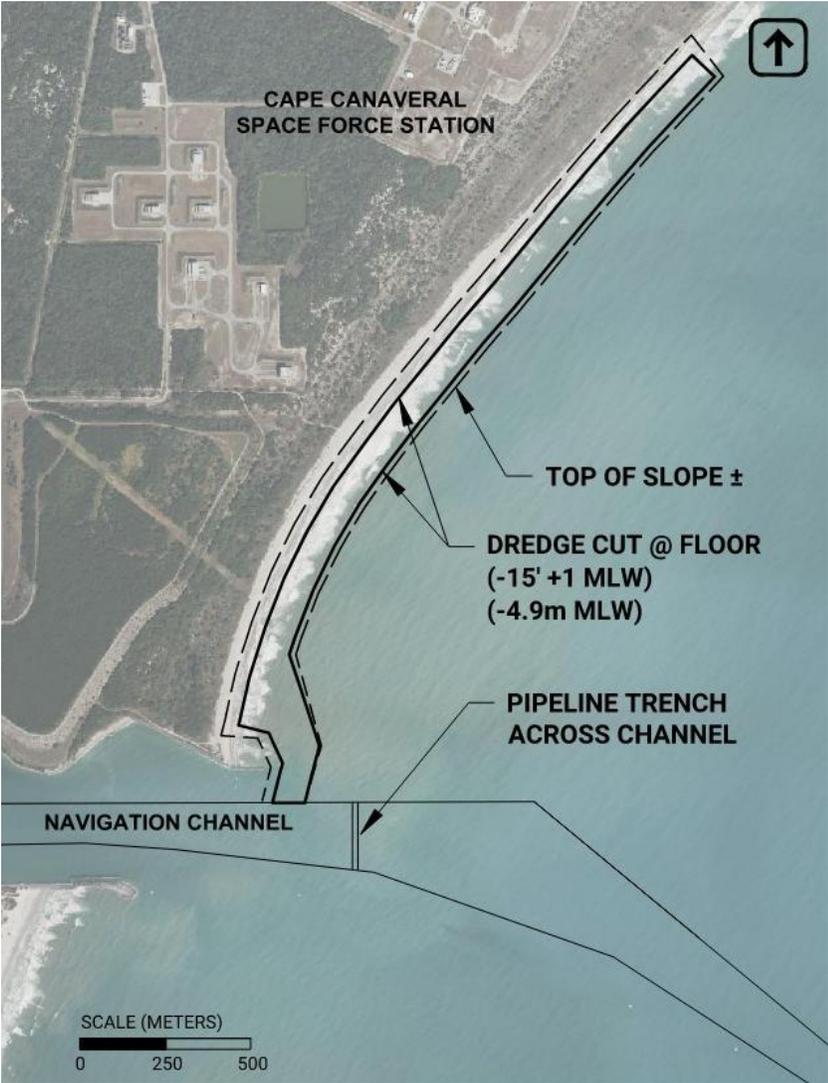
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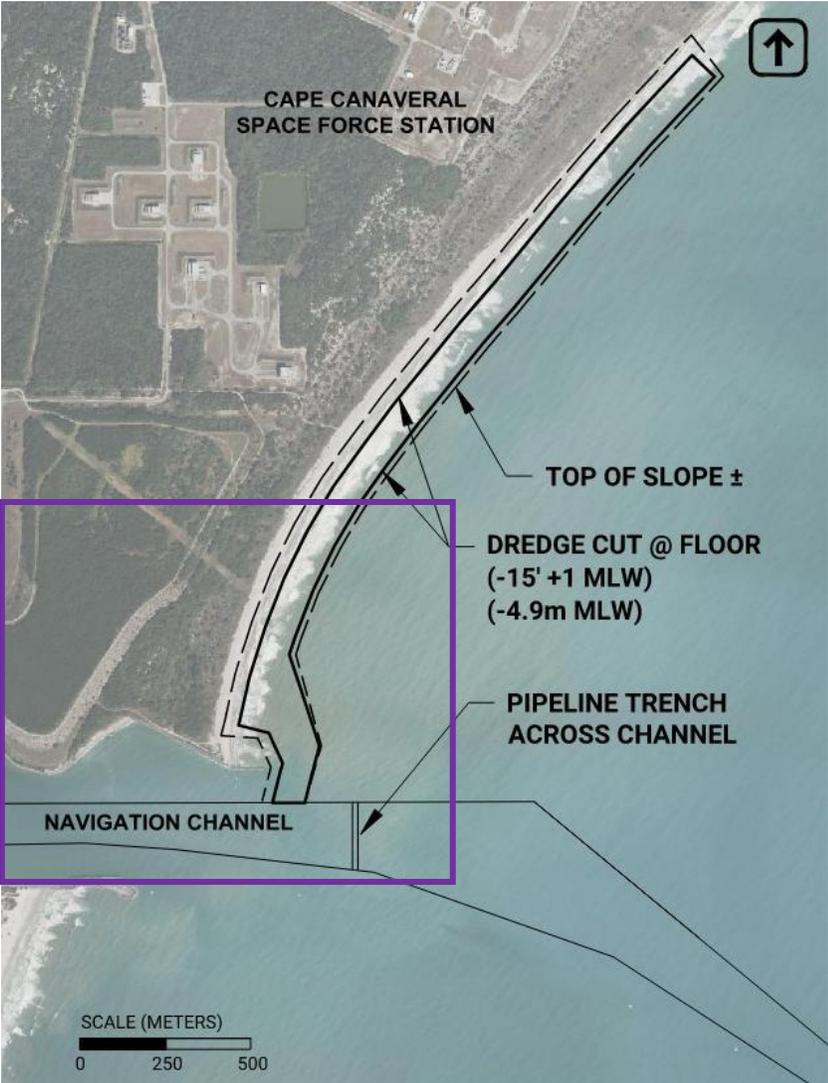
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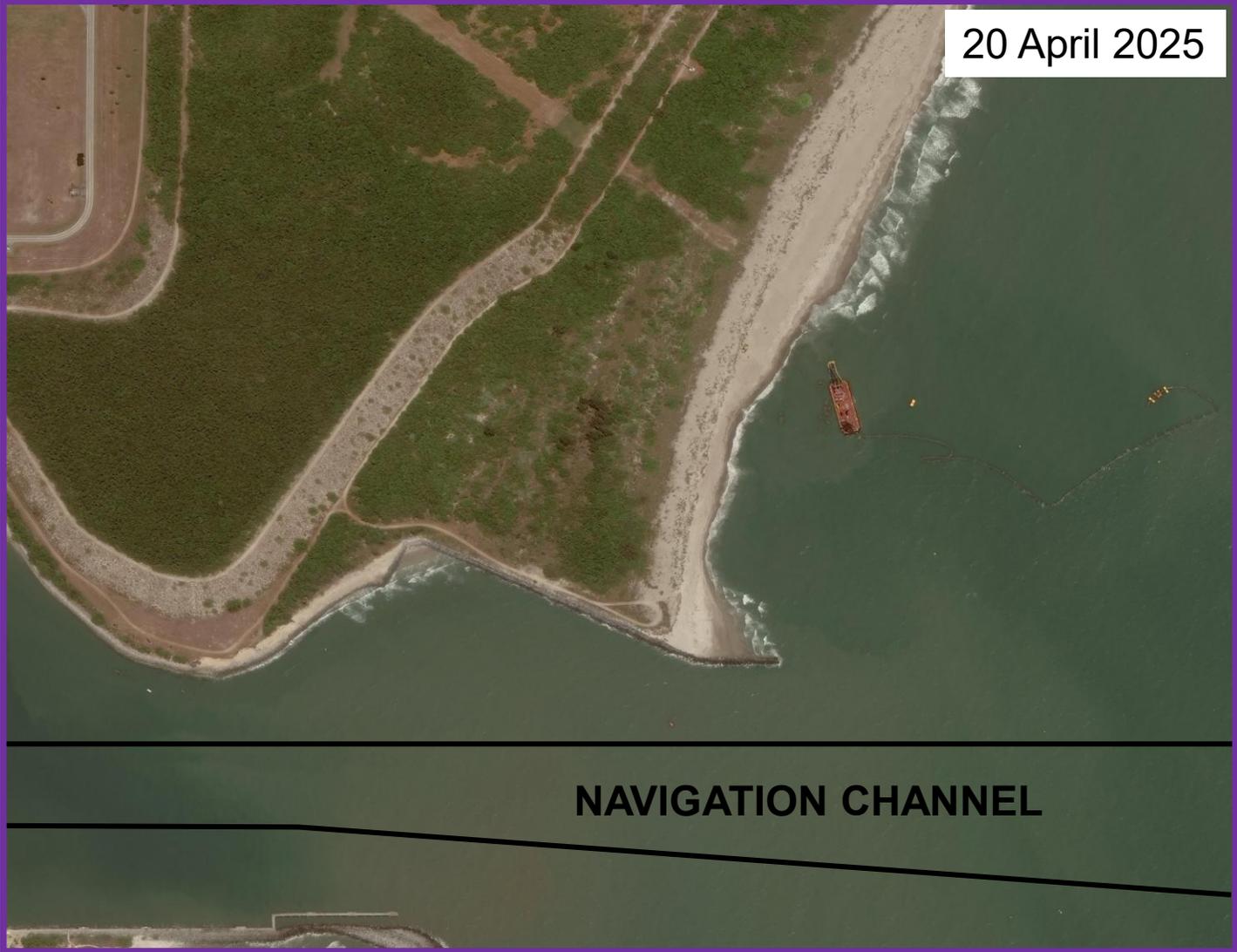
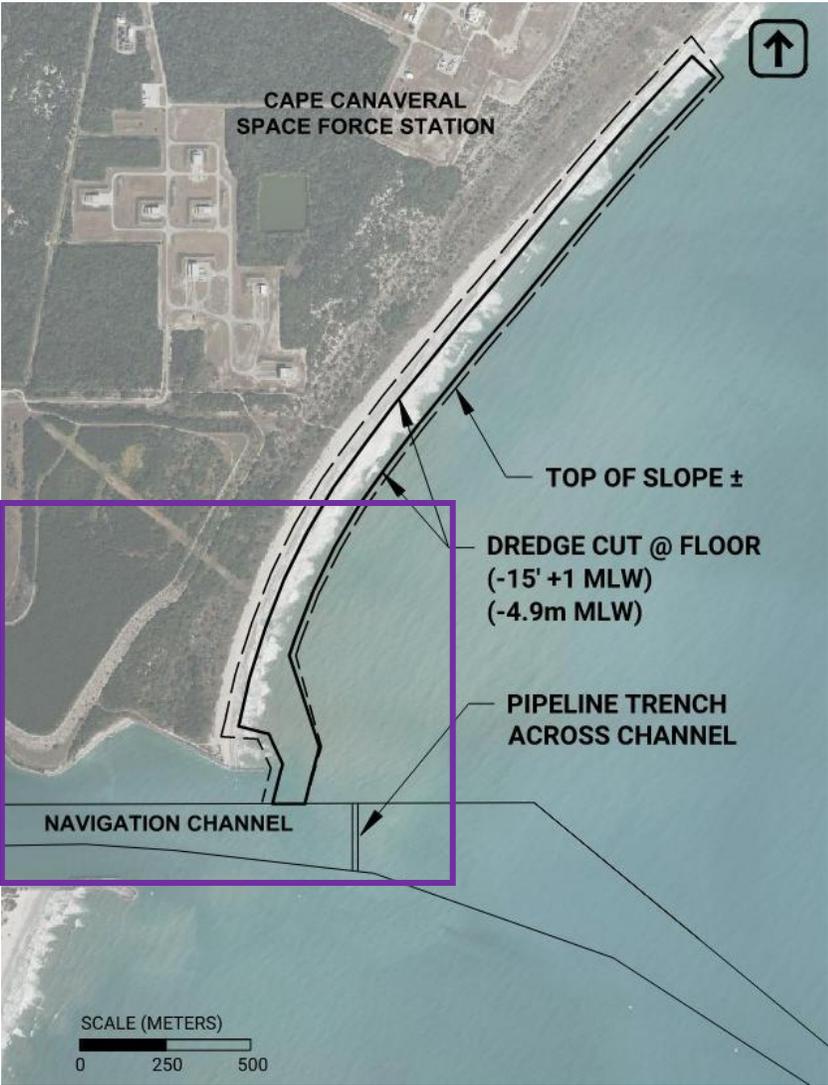
Canaveral Bypass VI Borrow Area



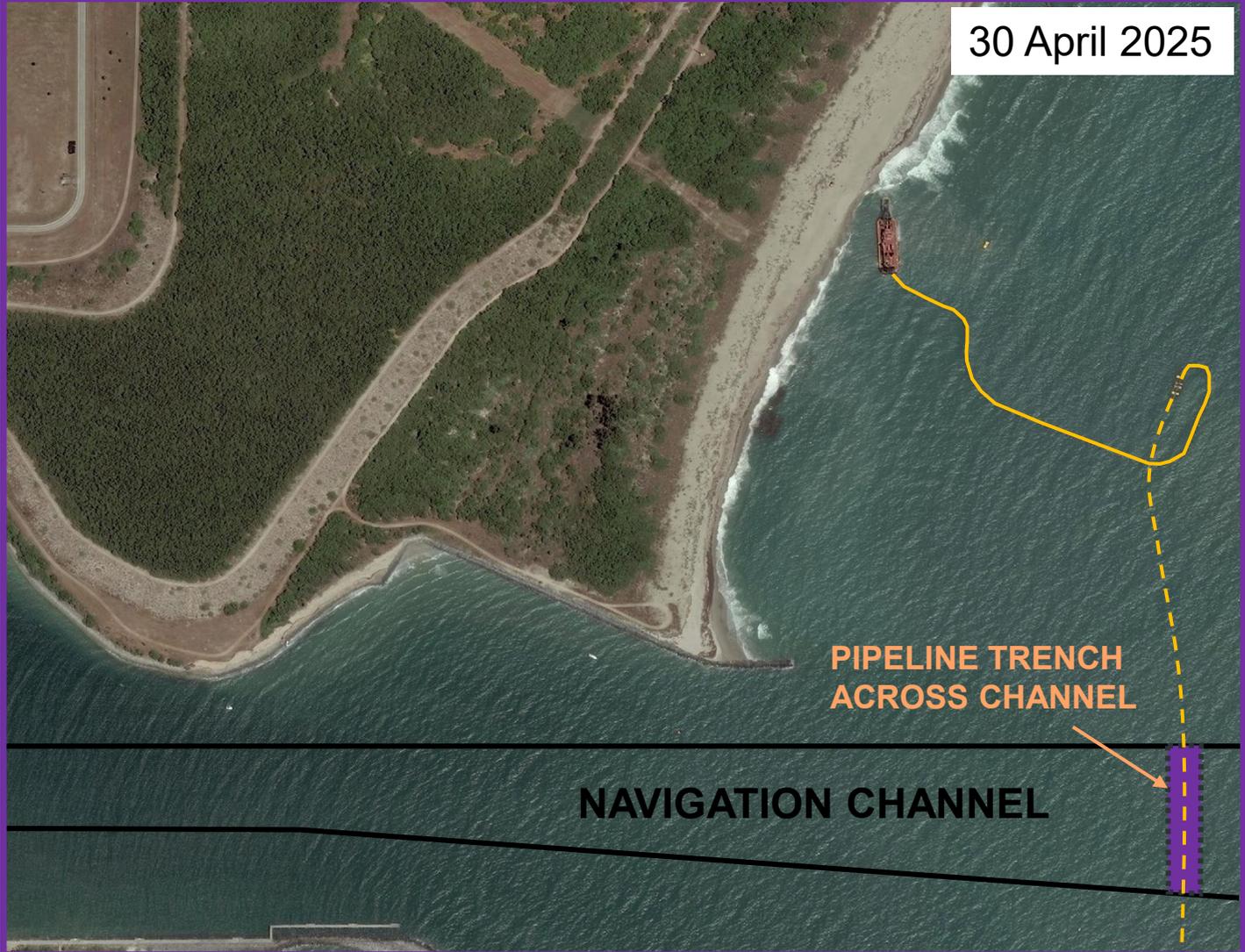
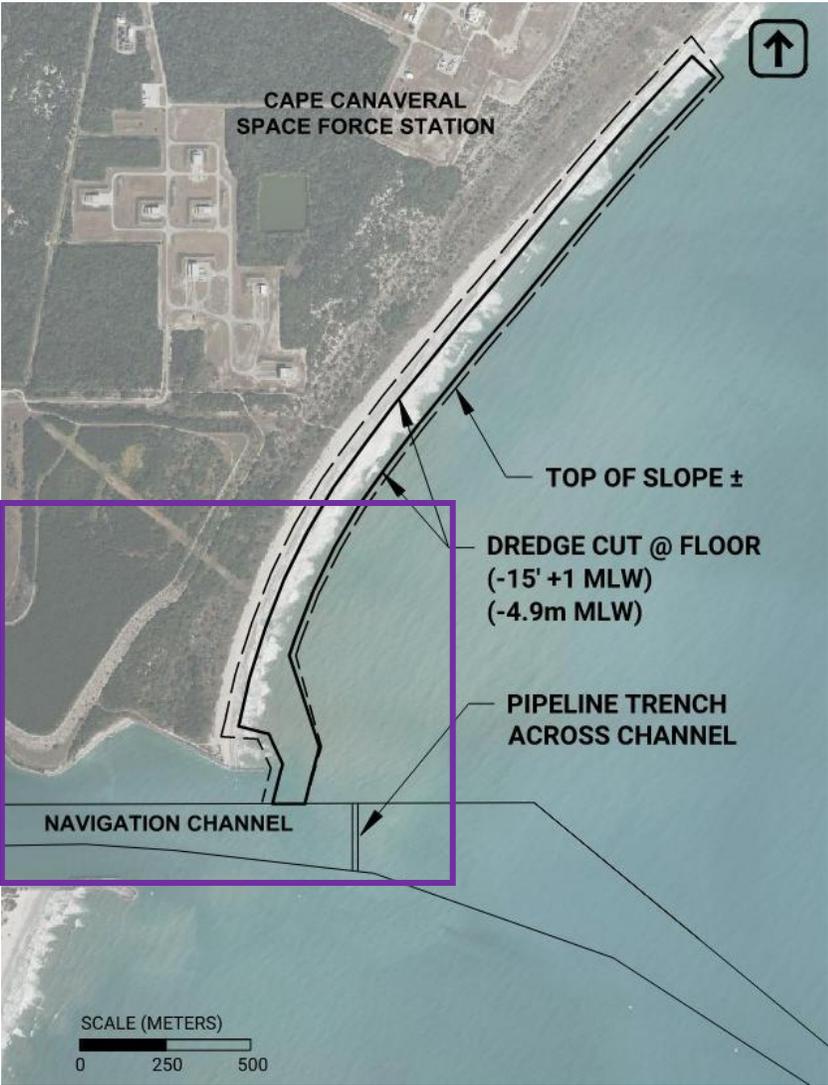
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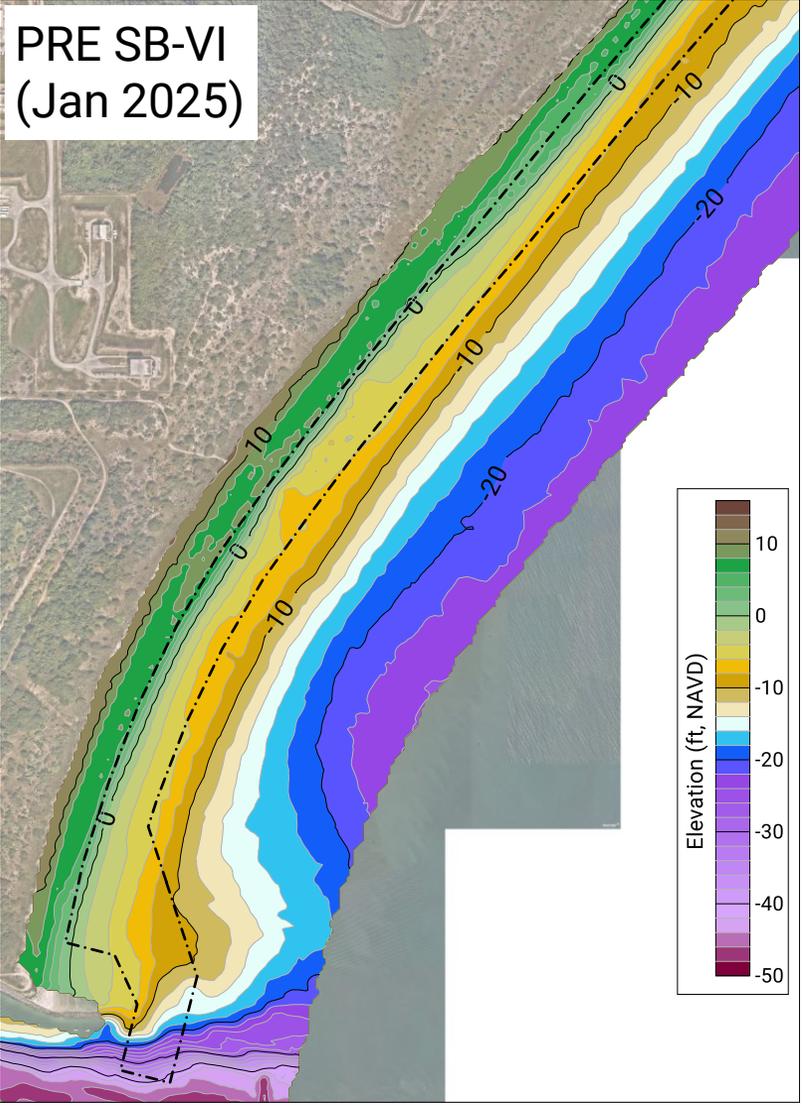
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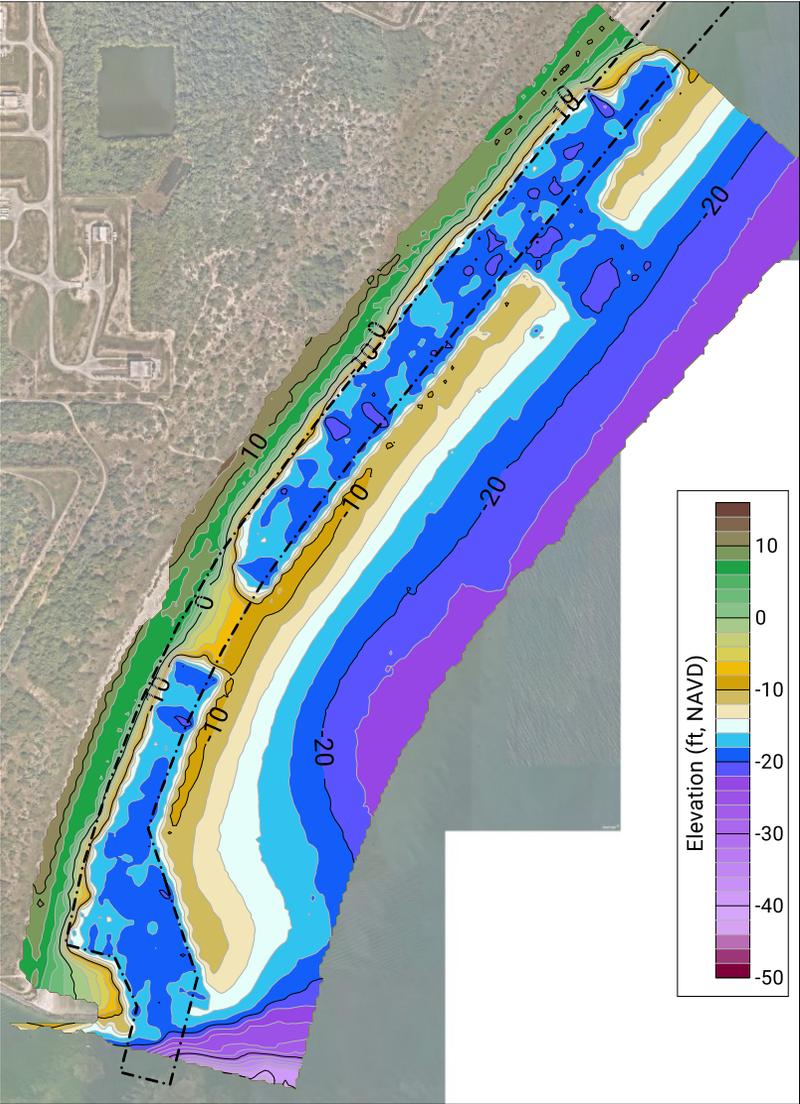
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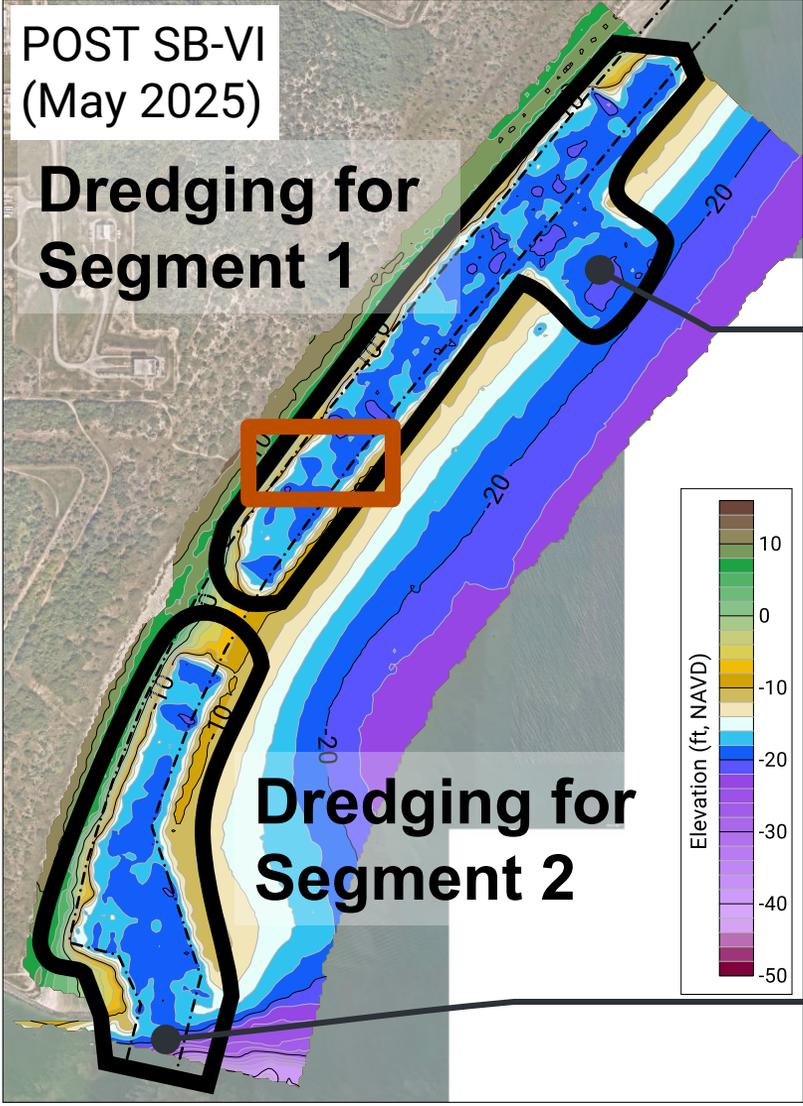
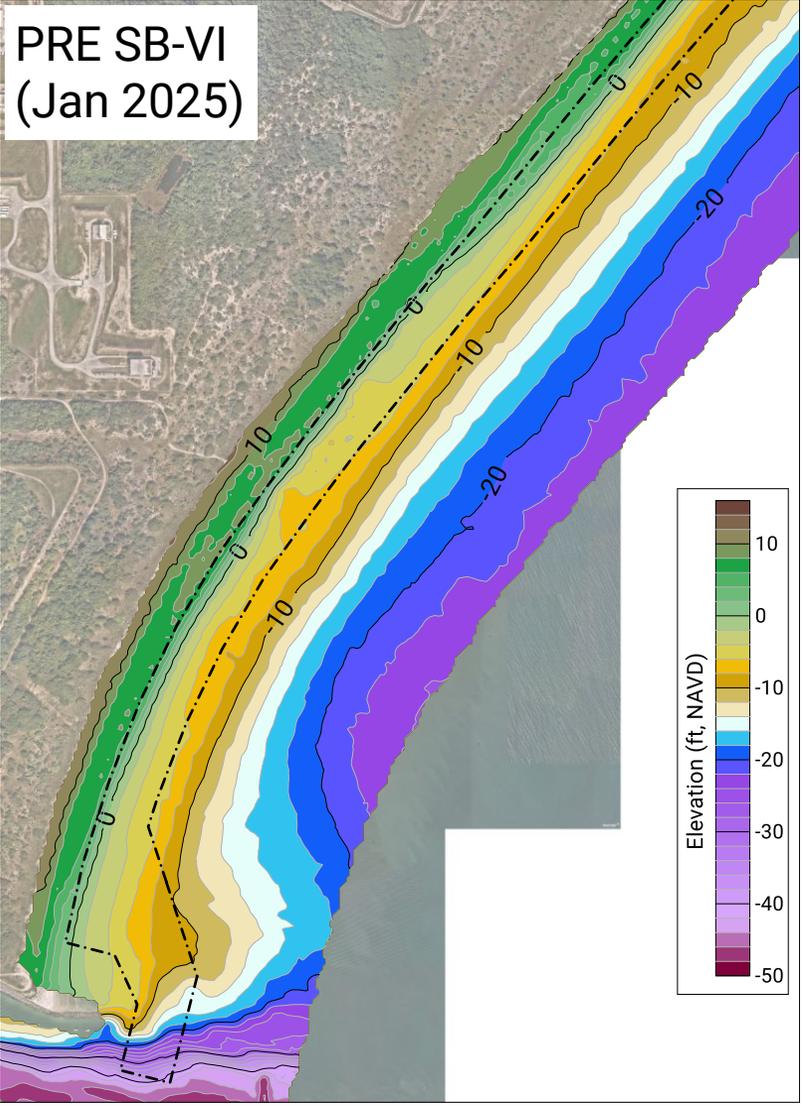
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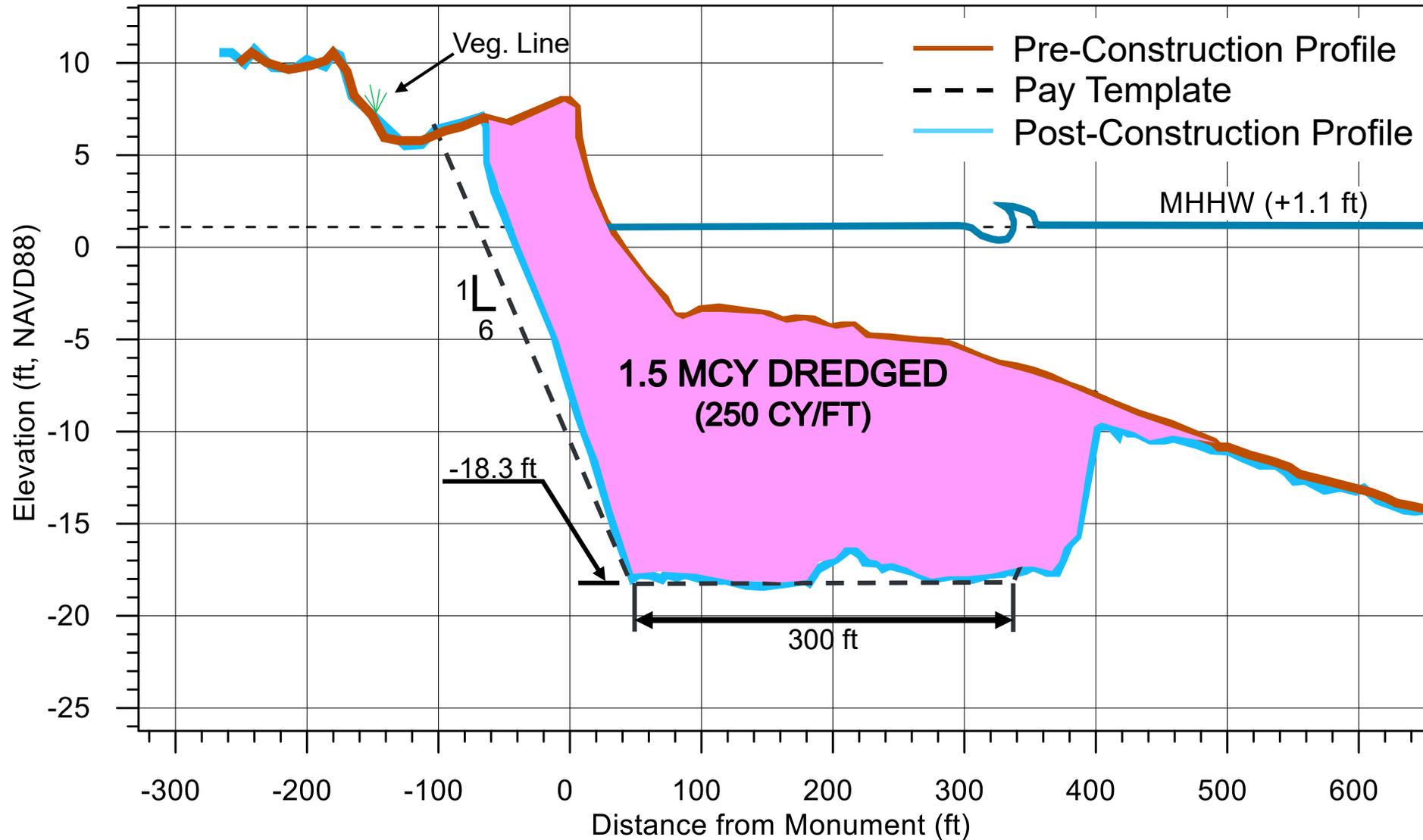


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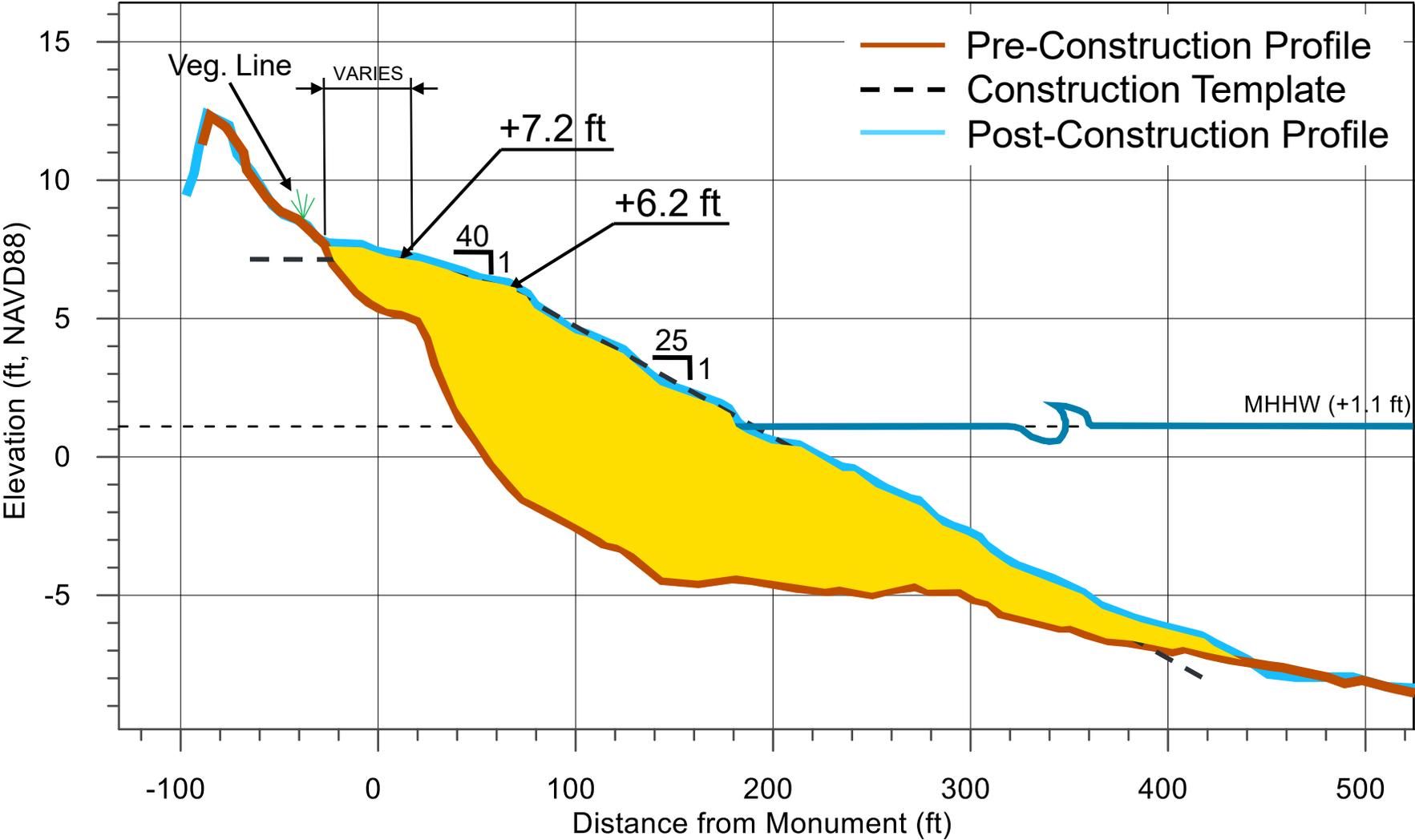


26 March 2025. Beginning of dredging for Segment 2.

Canaveral Bypass VI Dredge Section (Sta 49+00)

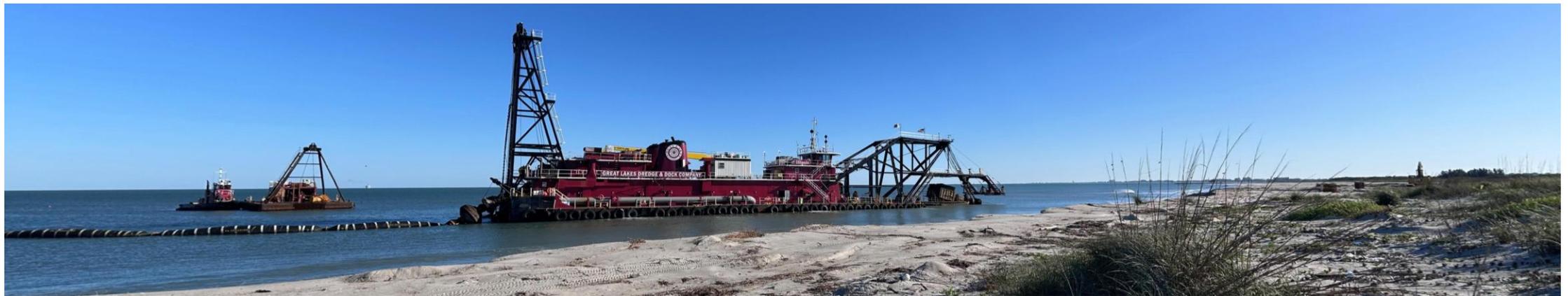


Canaveral Bypass VI Fill Section (Sta 66+00)



Conclusions

- ◆ Sand Bypass VI nourished 8 miles south of the inlet with 1.5 Mcy in 100 days.
- ◆ Physical monitoring has been central to implementing the Canaveral IMP.
- ◆ The Canaveral Inlet Sand Management Plan has proven successful at reducing the need for maintenance dredging and at mitigating inlet impacts.



Conclusions



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Conclusions

1992-07



Conclusions

1992-07



2025-11



Conclusions

1992-07



2025-11



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1992-07



2025-11





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